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FOUNDATION FOR  
FAR  
AMATEUR RADIO

*The Official Journal of the Foundation For Amateur Radio, Inc.*

**AUGUST 1998**



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# Regional Hamfests and Other Events

August 1	High Point ARC, High Point, NC	910-887-3039
August 2	Winchester Hamfest and Computer Show, Berryville, VA	540-955-1745
August 8	Tri-State ARA, Huntington, WV	304-743-9812
August 23	Yonkers ARC, Yonkers, NY	914-969-6548
August 30	Westchester Emergency Communications Assn., Yonkers, NY	914-741-6606
September 12	Saratoga County RACES Assn., Ballston Spa, NJ	
September 12	TSRAC Hamfesty, Wheeling, WV	740-546-3930
<b>September 13</b>	<b>FARFEST, GAITHERSBURG, MD</b>	<b>301-490-3188</b>
September 19	Western New York Section Convention, Hamburg (Buffalo), NY	716-424-7184
Sept. 19-20	Roanoke Division Convention, Virginia Beach, VA	757-484-2857
September 20	York Hamfest, York, PA	717-764-8193
October 10	Bahia Shrine AR Unit, Orlando (Maitland), FL	407-380-2902
October 16-17	ARC-Bradford Area, Starke, FL	352-473-3511
October 25	Mason-Dixon Computer and Hamfest, Westminster, MD	717-359-7090
Nov. 21-22	Southern Florida Section Convention, Tampa, FL	813-525-5178

## NEXT FOUNDATION MEETING

The Foundation for Amateur Radio, Inc. meets at 8: p.m. on the second Wednesday of each month. **Visitors are always welcome!** The next meeting will be held on August 12th in Takoma Park, Maryland at Columbia Union College, HMS Richards Bldg., Flower Avenue (Take beltway exit 30, South on Colesville Road to Franklin Avenue, left on Franklin to Flower, right on Flower to Carroll Ave., left on Carroll to Greenwood Ave., left on Greenwood to 2nd building on left.

**Talk-in on  
146.55**



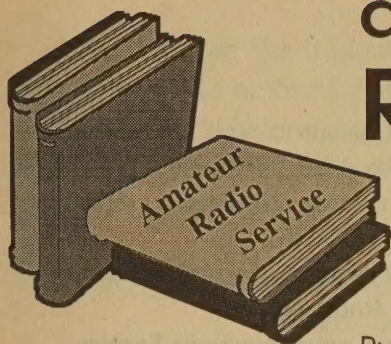
*Photo by Murray Green, K3BEQ*

## On The Cover

One of the finer technicians to work at the former Maryland Radio Center (MRC), is Don Tinari, W3RYQ, shown here at his very neat station in Bowie, MD. Don is also Treasurer and on the Board of Directors of the Green Mountain Repeater Assn., and is a former President of the Goddard Amateur Radio Club.



# Rules and Regs



By Jack Kelleher  
W4ZC

*The volume of news this month necessitated considerable streamlining.. The principal source is cited in the title — further information can be found there or by contacting W4ZC.*

## **AMATEUR RADIO SPECTRUM PROTECTION BILL HAS 39 COSPONSORS (ARRL Letter. vol 17 #26 6/26/98)**

HR 3572, the Amateur Radio Spectrum Protection Act, now has 39 cosponsors (including the original sponsor) and several more members of Congress have indicated their intention of signing on.

The bill, introduced March 27 at the request of the ARRL, would protect existing Amateur Radio spectrum against reallocations to or sharing with other services unless the FCC provides "equivalent replacement spectrum" elsewhere. The bill was introduced by Rep Michael Bilirakis(R-FL), with the cosponsorship of Rep Ron Klink (D-PA).

Cosponsors include Peter DeFazio and Earl Blumenauer (OR); George Nethercutt (WA); Frank Pallone (NJ); Tom Campbell and John Doolittle (CA); Patsy Mink (HI); David Hobson, Tony Hall, Steven LaTourette, Michael Oxley, and Dennis Kucinich (OH); Bob Clement (TN); Dave Weldon (FL); David Price (NC); Robert Wise (WV); Michael Crapo (ID); Jay Dickey (AR); Dan Burton (IN); Louise Slaughter, Sue Kelly, Michael

McNulty and Peter King (NY); Charlie Norwood, Nathan Deal, and John Lewis (GA); Bud Cramer (AL); Christopher Shays (CT); Collin Peterson (MN); James Talent, Jo Ann Emerson and Ike Skelton (MO); Dale Kildee and James Barcia (MI); J.C. Watts Jr (OK); Scott Klug (WI); and Jon Christensen (NE).

The bill points out Amateur Radio's basic purpose as a "voluntary, noncommercial radio service" that has "consistently and reliably" provided emergency communication during and after disasters. The measure notes that the FCC has "taken actions which have resulted in the loss of at least 107 MHz of spectrum to radio amateurs."

HR 3572 has been referred to the House Commerce Committee. An effort is under way to enlist additional cosponsors for the measure. Amateurs are encouraged to contact their Representatives and urge them to support the bill or to sign on as cosponsors.

## **RAC (Radio Amateurs of Canada) ADVISES MEMBERS TO REJECT LICENSING CHANGES V17 #26 6/26/98**

Radio Amateurs of Canada is advising its members to just say no to Industry Canada's plan to drop Amateur Radio license fees and combine operator and station licenses. RAC says the plan lacks provisions to adequately track call signs, station locations, and operator qualification levels. RAC also says IC—Canada's equivalent of the FCC—has been unable to answer specific questions about the plan.

"Industry Canada's proposal is viewed as another step by the Department to lessen its involvement in regulation of the Amateur Service," an RAC bulletin declared on June 5. "In recent years, Industry Canada has reduced surveillance and enforcement activities to a virtually ineffective level."

Expressing fears of "chaos" ahead, RAC

*Continued on page 7*





## MEMBER CLUBS

Adams County Amateur Radio Society  
Alexandria Radio Club  
Amateur Radio Research and Develop. Corp.  
AMSAT - Radio Amateur Satellite Corporation  
Anne Arundel Radio Club  
Antietam Radio Association, Inc.  
ARINC Amateur Radio Club  
Arlington Amateur Radio Club  
Baltimore Amateur Radio Club  
Baltimore Radio Amateur Television Society  
Calvert Amateur Radio Association  
Capital City Amateur Radio Society  
Capital Hill Amateur Radio Society  
Carroll County Amateur Radio Club  
Central Maryland Amateur Radio Club  
Charles County Amateur Radio Club, Inc.  
Chaverim of the Greater Washington Area  
Cheese Hollow Amateur Radio Society  
Columbia Amateur Radio Association  
Culpeper Amateur Radio Association  
D-MARC - Digital Mid-Atlantic Radio Council  
Department of State Amateur Radio Club  
Dulles Amateur Radio Group  
Explorer Post #80- Amateur Radio  
Fauquier Amateur Radio Association  
Federal City REACT Amateur Radio Club  
Frederick Amateur Radio Club  
Frederick Amateur Repeater Group  
Goddard Amateur Radio Club  
Green Mountain Repeater Association  
Hanover Area Hamming Association  
Historical Electronics Museum Amateur Radio Club  
IBM Amateur Radio Club  
Johns Hopkins University APL ARC  
KB3BOI Repeater Group, Inc.  
Kent Island Amateur Radio Club  
Laurel Amateur Radio Club  
Leisure World Amateur Radio Club  
Loudoun Amateur Radio Group  
MD/DC MARS (Navy Marine) Association  
MADRAS  
Maryland Emergency Phone Net  
Maryland FM Association

Maryland Mobileers Amateur Radio Club  
Mercury Amateur Radio Assn., NE Area  
Metropolitan Communications Network  
Metrovision Amateur TV Club  
Mid-Atlantic DX & Repeater Assn.  
Montgomery Amateur Radio Club  
Montgomery Auxiliary Communications Service  
Moose Amateur Radio Club  
Mount Vernon Amateur Radio Club  
National Capitol ARES Council  
National Capitol DX Association  
Naval Research Laboratory Radio Club  
NOAA Amateur Radio Club  
North Point FM Association  
Northern Virginia FM Association  
Northern Virginia Radio Club  
Ole Virginia Hams Amateur Radio Club  
Opequon Radio Society  
Pentagon Amateur Radio Club  
Potomac Area VHF Society  
Potomac Valley Radio Club  
Prince George's Wireless Association, Inc.  
Prince George's County ARES/RACES  
Quarter Century Wireless Association, Inc.  
    Baltimore Chapter #20  
    Del-Mar-VA Chapter #150  
    Shenandoah Valley Chapter #137  
    Vic Clark Chapter #91  
    Washington Chapter #23  
Rock Creek Amateur Radio Association  
St. Mary's County Amateur Radio Association  
Shenandoah Valley Amateur Radio Club  
Southern Maryland Amateur Radio Club  
Southern Patuxent Amateur Radio Club  
Stafford Amateur Radio Assn.  
Sterling Park Amateur Radio Club  
Summit Amateur Radio Association  
Tri-County Amateur Radio Club  
T-MARC, Middle Atlantic Repeater Council  
Vienna Wireless Society  
Voice of America Amateur Radio Club  
Washington Adventist Amateur Radio Assn.  
Washington Area Young Ladies ARC  
Woodbridge Wireless, Inc.



concludes that eliminating the license fee and merging the license documentation "would lead to a further decline in the status of the Amateur Radio Service."

Late last year, the IC scuttled negotiations to delegate partial authority over Amateur Radio licensing in Canada to an arm's length organization associated with RAC. There are approximately 45,000 hams in Canada.

## **TWO-WAY RADIO PIONEER FRED LINK, ex-W2ALU, SK**

By the time you read this you will have read many other accounts of Fred Link's career as a pioneer designer, developer and manufacturer of VHF FM mobile equipment, and as the long-time President of the Radio Club of America.

I had the honor and privilege of working with Fred during 1942 and 1943, and I plan to write and publish a reminiscence article about those times within the next month or two.

## **NEW VANITY FEE SET (ARRL letter vol 17 #25 6/19/98)**

The vanity call sign application fee will drop to \$13 effective September 14, 1998. That's the word from the FCC's Terry Johnson in the Office of the Managing Director. The new fee will be for the ten-year term, payable at the time of application for a new, renewed, or reinstated license. The current vanity call sign application fee is \$50. Earlier this year, the FCC had proposed dropping the fee to \$12.90. The actual fee was "rounded up," Johnson said.

The FCC says it has no plans to refund the difference between the current fee and the new fee for applicants who submit applications before the new fee schedule goes into effect in September.

The FCC calculated the new fee based on an expected 10,000 applicants during FY 1998.

## **FCC PROPOSES 5.9 GHz ALLOCATION (ARRL Letter vol 17, #25, 6/19/98)**

The FCC has proposed allocating 5.850 to 5.925 GHz for use by intelligent transportation systems (ITS). The June 11 NPRM was in response to a rulemaking petition from the Intelligent Transportation Society of America (ITS America), who said the band is optimal for DSRC on the basis of propagation, consistency with international allocations, and compatibility with existing users.

The Amateur Service has a secondary allocation at 5.650 to 5.925 GHz with government radar systems and nongovernment fixed satellite service uplinks. Under the proposal, dedicated short range communications (DSRC) highway safety systems would share the band as coprimary users.

The FCC seeks comments on the need for nationwide operational standards and channelization and on the potential for DSRC operations to share with other services.

ITS America, a nonprofit organization dedicated to promoting ITS, has worked with the ARRL and others to develop a sharing plan. The League has said it is prepared to work with ITS entities to resolve spectrum sharing issues.

In its comments, the ARRL questioned whether the 5.9 GHz band was appropriate for DSRC and urged the FCC to look into frequencies above 40 GHz, where DSRC systems could avoid interference from other users. The League said the ITS proposal and the FCC decision to deploy unlicensed National Information Infrastructure (UNII) devices in the band could render 175 MHz of spectrum in the 5.8 GHz range significantly less useful to hams.

Comments on ET Docket 98-95 are due 75 days after publication in the Federal Register. The complete NPRM is available on the FCC Web site at <http://www.fcc.gov>.

*Continued next page*



**FCC ASKS GERMANY TO SILENCE  
BROADCASTER ON 3945 KHz (ARRL  
Letter vol 17 #25 6/19/98)**

The FCC's High Frequency Direction Finding Group has asked German authorities for their help in eliminating a broadcast station in Germany that's operating on 3945 kHz. Members of the ARRL Monitoring System (MONSYS) and other US hams had complained to the FCC and to the ARRL about the station's presence. Those complaints were forwarded to the FCC. The frequency is not allocated for broadcasting in Europe, which is in ITU Region 1. In Region 1, the 3900 to 3950 kHz band is authorized for aeronautical mobile operation. In the US, in Region 2, the band is allocated to amateur, fixed and mobile.

The station on 3945 kHz, identified as The Overcomer Ministry, has been monitored at several East Coast locations as well as by the FCC in Columbia, Maryland. It broadcasts on AM from Juelich, Germany.

**COURT UPHOLDS FCC AGAINST FREE  
RADIO BERKELEY: (ARRL Letter Vol 17 #25,  
6/19/98)**

The US District Court for the Northern District of California has issued a permanent injunction against unlicensed broadcaster Stephen Dunifer, operator of Free Radio Berkeley. The 18-page decision reaffirms the FCC's authority to require broadcasters to have a license. The court enjoined Dunifer and "all persons in active concert or participation with him" from broadcasting without a license or causing or enabling unlicensed radio transmissions to occur.

Dunifer had claimed the FCC's regulations were unconstitutional. FCC Chairman William Kennard applauded the decision. "The permanent injunction in the Dunifer case, and the FCC's success in the last two years in shutting down over 200 pirate stations, should send a message to all pirate broadcasters: obey the law—and join the

FCC in our efforts to expand the legal uses of the public airwaves."—FCC news releases.

**The LMCC PETITION FOR REALLOCATING  
420/430 and 440/450 MHz.**

Last month's column included an item on this matter entitled "70 cm Band Under Fire Again", which included the content of ARRL Bulletin #32 issued May . There's been a lot of reaction to the LMCC proposal, which we will try to cover without writing a book. The material is based largely on information in recent ARRL Letters.

Under "MANY COMMENT ON LMCC PETITION" (ARRL Letter vol 17, #24, June 19 '98) the League said that hundreds of formal comments had been filed in the wake of the LMCC rulemaking petition (RM-9267) seeking primary access to 420 to 430 MHz and 440 to 450 MHz for the Private Mobile Radio Service (PMRS) at the expense of the federal government. (The petition also seeks other UHF spectrum). The original comment deadline was June 1, but the FCC extended the deadline to July 15..

Among formal commenters, those weighing in on the side of Amateur Radio—at least in terms of preserving the current secondary (shared) allocation on 70 cm for ham use—included the ARRL (a copy of the League's comments is available at <http://www.arrl.org/news/bandthreat/RM-9267/arrl-cmt.html>; the National Telecommunications and Information Administration (NTIA), which manages federal spectrum; the Quarter Century Wireless Association (QCWA); the Amateur Television Network; the Sarpy County, Nebraska, Emergency Management Agency; the Washtenaw County, Michigan, Emergency Management Division; the DiPaolo Timber Corporation; AMSAT-NA, and the Association of Public-Safety Communications Officials-International (APCO). All cited the public service benefit derived from volunteer Amateur Radio operations in the event of emergencies and disasters.

*Continued next page*



Washtenaw County Director of Emergency Management Marc Breckenridge called 440 to 450 MHz “a priceless resource to emergency management organizations” and said its reallocation would not be in the public interest. DiPaolo Timber CEO Carl DiPaolo, W7EXH, likened the sharing arrangement by hams and the federal government to “multiple use of the forests, many citizen users sharing a resource.” DiPaolo went on to say, “Once the PMRS users get to the frequency area, it is lost forever.” There’s “no way” amateurs could be secondary to PMRS, he concluded.

AMSAT-NA President Bill Tynan, W3XO, mentioned use of 70 cm for the upcoming Phase 3D satellite and pointed out that the International Space Station is expected to make “heavy use” of the band for Amateur Radio. Ham radio is an official ISS payload. In all, AMSAT-NA cited more than a dozen examples of current and future amateur use of 70 cm (see <http://www.amsat.org/amsat/regs/rm9267c1.html>).

But it was the NTIA that spoke the loudest in favor of retaining the current federal-amateur sharing arrangement on 70 cm. The NTIA said it supports amateur operation at 70 cm and other bands “as an important adjunct to the National Communications System and the National Weather Service, and with general recognition of the valuable public service performed” by hams. Amateur operations “share well” with military radiolocation radars because hams can tolerate the

restrictions involved. But, the NTIA’s bottom line was that “critical Federal operations in the 420-450 MHz band” make it inappropriate to consider reallocation. The NTIA also noted that Wind Profiler Radar operations at 448 to 450 MHz—which the LMCC had suggested be “discouraged”—are operational, not experimental. The NTIA said it “consulted extensively” with the amateur community to coordinate WPR operation and said plans for an extensive WPR network at 449 MHz were proceeding.

Annexed to the NTIA comments were individual comments from members of the Interdepartment Radio Advisory Committee. These include federal agencies ranging from USDA, the National Weather Service, and the Department of Defense to NASA. All opposed reallocation from the federal government. Some, such as the NWS, specifically cited the value of Amateur Radio public service and the network of 150,000 weather spotters on call for emergencies. On a more practical level, the Department of Defense said that interference from its radars and communication activities—including “very high power critical safety-of-life command destruct, flight termination and drone control”—would preclude sharing with PMRS.

Several commenters were altogether silent on amateur issues. A few challenged the FCC to address the larger issue of private wireless spectrum

*Continued next page*

## ***Do you have a nomination for FAR's Ham of the Month?***

Any licensed amateur radio operator in the Auto-Call subscription area who has contributed significantly to the amateur community can be nominated. Provide a narrative of 250 to 500 words describing the contributions of the nominee and forward to the FAR Ham of the Month nomination chairman, Tony Young, WA3YLO, at 12016 Long Ridge Lane, Bowie, MD 20715.



allocation policy or urged the FCC to issue a Notice of Inquiry to initiate a dialogue on spectrum needs. The Industrial Telecommunications Association (ITA) encouraged the Commission to respond "with a publication of its own views on the character and needs of the private wireless community." The ITA said the petition "makes a compelling case" for additional PMRS spectrum. Other commenters said they felt the needs of the private radio community had been subsumed by demand for consumer wireless services. Some debunked the notion that commercial services could satisfy private wireless needs.

Some organizations indicated full and wholehearted support for the LMCC petition. These included the UTC, The Telecommunications Association, an LMCC member that, itself, represents other commercial spectrum users. Motorola declared that private wireless users "are in dire need" of new spectrum. The American Petroleum Institute urged the FCC to "move forward as soon as possible" on the LMCC petition.

The June 8 issue of *Wireless Week* reported that hams "flooded the FCC with letters" opposing RM-9267, "often in vehement terms." The article, "Hams Oppose Spectrum Sharing," by Caron Carlson, says that hams "warned the FCC that any further loss of their spectrum would be debilitating to the services they provide to the public free of charge," including help in natural disasters and emergencies..

In a related matter, the American Automobile Association said it got incorrect information from the LMCC about how amateur frequencies came to be identified as targets for reallocation. Triple-A had told some correspondents that the Spectrum Planning and Policy Advisory Committee (SPAC) worked with the NTIA to identify 70 cm for reallocation "We now know that was incorrect and that it was the LMCC that initiated the plan without support from either SPAC or NTIA," the AAA's Gary Ruark said in response to a letter from ARRL Executive Vice President David Sumner, K1ZZ.

Ruark said AAA's future correspondence would "reflect the correct information."

Ruark also said AAA would contact the LMCC secretary and other Council members to discuss the status of the petition. "We are aware that the Association of Public Safety Communications Officials (APCO) has withdrawn its support and that may have a bearing on how the remaining LMCC members perceive the value of the petition," Ruark wrote.

## **NEXT WRC TO BE IN 2000 (ARRL Letter vol 17. #24, 6/12/98)**

It's settled. The next World Radio Conference—until now referred to as WRC-99 for planning purposes—actually will take place in 2000. The ITU Council decided the question when it met May 20-29 in Geneva. What's now likely to be called WRC-2000 tentatively is set to be held May 8 to June 2 of that year in Istanbul, Turkey. The agenda and final schedule are subject to confirmation by the ITU Plenipotentiary Conference this fall in Minneapolis.. The change also means the following WRC won't happen until at least 2002.

Still hoping for an allocation of additional spectrum will be the low-Earth orbiting satellite industry, the infamous "Little LEOs." The industry seeks an additional 7 to 10 MHz of spectrum below 1 GHz.

Another potentially hot ham radio topic at the next WRC is a technology called "fixed wireless access." FWA uses radio instead of wires to connect user telephone or data equipment to an access point in the public switched telephone network. FWA proponents are looking at the suitability of more than 100 frequency bands between 27 MHz and 66 GHz—some of which involve amateur bands. An ITU task group has also been studying the topic of "unwanted emissions," which includes both spurious emissions and out-of-band (OOB) emissions. OOB emissions include splatter and key clicks. A plan to replace current spurious



emission limits with more stringent standards was adopted at WRC-97. Still under consideration are new spurious emission limits for spacecraft and mandatory OOB limits for all radio services.

One issue of concern to hams may be postponed to WRC-2002 or later. The Earth Exploration Satellite Service has been eyeing the 430 to 440 MHz band for use by synthetic aperture radars (SARs). These systems are capable of penetrating the upper canopy of a rain forest to monitor ecological changes. The ARRL and the IARU already have introduced papers expressing concerns with respect to the use of the 420 to 450 MHz band. However, it now appears that the ITU will not take up the issue at the next conference due to a lack of funding.

For more information on "WRC-99" preparations, see <http://www.fcc.gov/wrc-99>.

### **FCC TO TIGHTEN SCANNER RULES (ARRL Letter Vol 17 #23, 6/12/98)**

The FCC plans to further tighten its rules on scanning receivers to prevent reception on cellular telephone frequencies. In a rulemaking notice released June 3, ET Docket 98-76, the FCC proposed to require receiver filtering adequate to prevent cell phone reception even when the receiver is tuned to frequencies outside the cellular telephone bands, such as an image frequency. To prevent modification of legal receivers to receive cellular frequencies, the FCC wants scanning receivers designed so that the tuning and control circuitry is "completely inaccessible," and that attempts to modify the receiver "will likely render the equipment inoperable." The proposed rules also would prohibit scanner kits.

The FCC said the proposals were in response to a petition (RM-9022) from Uniden American Corporation, which manufactures both cellular telephones and scanners.

The proposed rules would affect Amateur Radio equipment that includes scanning capability,


as defined in the FCC rules. The FCC has invited comments on whether it should modify its definition of a scanning receiver to include units that can be manually tuned or which automatically switch among fewer than four frequencies.

The FCC wants to require that scanners provide at least 38 dB of rejection for cell band signals at any frequency the receiver can tune. The FCC also proposes that scanners be unable to receive a signal level of 5 mV/meter or less in the cell band at any tunable frequency.

The FCC suggested covering control and tuning circuits with epoxy or some other substance, or encasing them in a non-removable metal compartment, to make them impossible to access and modify. The Commission also plans to ban the import or manufacture of scanning receiver and converter kits capable of receiving cellular frequencies. Test equipment would be exempted from the definition of a scanning receiver, however.

The FCC also proposed modifying the rules to make it clear that modification of scanning receivers on a substantial scale to receive cellular frequencies would be the same as manufacturing, which already is illegal. The FCC took the opportunity to point out that it's still illegal to modify receivers imported or manufactured prior to the effective date of the current scanning receiver rules. Those rules became effective April 26, 1994.

The FCC has opened a 30-day comment window. The complete petition is available at the FCC Web site at <http://www.fcc.gov/oet/dockets/et98-76/>.



Reminder - all submissions for

**AUTO GALL**

are due no later than  
the 1st of the month prior to the  
month of publication!!





# American Radio Relay League Report

By John Swafford,  
W4HU

*The purpose of the ARRL Report is to provide the essential news of interest to active, organizationally minded radio amateurs faster than it can be disseminated by our official Journal QST. We strive to be fast, accurate and readable in our reporting. Material from the ARRL Report may be reproduced in whole or in part in any form including photo reproduction and electronic data banks, provided that credit is given to The ARRL Letter and The American Radio Relay League.*

## MISSING LOGS INCIDENT PROMPTS APOLOGY, IMPROVEMENTS

ARRL Membership Services Department Manager Bill Kennamer, K5FUV, has apologized to the amateur contesting community after a number of ARRL 10-meter Contest logs sent via e-mail—most from high scorers—were not listed when the contest results showed up in July's QST. Blaming the problems on a balky e-mail autoresponder system, Kennamer called the log omissions "an inexcusable error." "It is my intention that this does not occur again," he said in a posting this week to the CQ Contest Reflector.

Kennamer said the e-mail autoresponder worked—indicating to those who had e-mailed that their logs had been received. The problem was that the log gathering procedure did not. "The situation was rectified months ago, but no one notified the world. Thus we had many logs missing, most of them top logs," Kennamer

explained.

Kennamer said a new redundant system is in place that uses both an in-house computer to record logs as well as another system outside of ARRL HQ. "You should receive a response that your log has been received, and the log should be saved on two computers," he said.

Kennamer said the League also has instituted a program—effective with the ARRL DX CW Contest—of posting logs received on the ARRL Web site (<http://www.arrl.org/contests/>) as soon as the log database is completed. Kennamer said he hopes to eventually be able to provide a daily Web update of logs received. "Meanwhile, we will be posting changes to the received logs list on the CQ Contest Reflector as they occur," he said.

## TWO-WAY RADIO PIONEER FRED LINK, ex- W2ALU, SK

Fred M. Link, ex-W2ALU, of Pittstown, New Jersey, died June 18. He was 93. Link was best known for his role as a maker of two-way radio gear used extensively by police departments and public service agencies and by the armed forces during World War II. Beyond that, he was a man of wide-ranging interests, from running a horse farm to being involved in local government.

He founded the Fred M. Link Company (later Link Radio Corporation) in 1931. The first FM police system, built by Link Radio, was installed at the Connecticut Department of Public Safety headquarters. Link served as president of the Radio Club of America from 1968 until 1992. Among other honors, the club awarded him its Sarnoff Citation in 1976 and its President's Award in 1996. Link was a fellow of the IEEE and a founding member of its Vehicular Technology Society. He had served as a member of its board of governors since 1975. The IEEE honored Link with its Centennial Medal in 1984. Early in his career, Link worked for the De Forest Radio Company as assistant chief engineer for the manufacture of transmitting tubes.



Link has said that his early experiences with ham radio helped him to become the leading manufacturer of police radio gear in the 1930s and 40s. He learned Morse code for a Boy Scout merit badge and worked as a relief railroad Morse operator while only 14. He was first licensed as 3BVA and later became 2ALU and finally W2ALU. As 2ALU, he and his friend Johnny Knight, 4DX, were in contact with the Byrd expedition to the South Pole and helped to relay news of the expedition. The pair also shared other ham radio adventures, including a notorious episode where they managed to get themselves evicted from a New York YMCA while operating a station from there for the 1927 ARRL DX Contest because they were interfering with local radio reception.

Link's wife, Mildred, and a daughter, are among his survivors. Contributions to the Fred M. Link Scholarship Fund are welcome to The Radio Club of America, 3 Caro Ct, Red Bank, NJ 07701.—many thanks to Don Bishop, W0WO.

### PHASE 3D WON'T FLY THIS YEAR

Phase 3D will not fly this year. AMSAT says the Phase 3D Amateur Radio satellite will not be aboard when the Ariane 503 launch vehicle goes into space this October. In addition to the Atmospheric Reentry Demonstrator, the European Space Agency will launch a dummy Eutelsat payload instead of Phase according to a joint ESA/CNES/Arianespace news release. Arianespace is a commercial company that markets Ariane launches.

"Essentially we were bought out by strategic and commercial interests," said a glum AMSAT-NA Vice Executive President Keith Baker, KB1SF.

AMSAT-DL President Karl Meinzer, DJ4ZC, says it's clear to him that Arianespace wants to retain the option of swapping a real Eutelsat payload for the dummy right before launch. "We simply could not compete with this by our offer of \$1 million and some moral justification of not

flying ballast," he said. "So we wept some, and that done, let us now look forward."

"This is obviously very disappointing news," said AMSAT-NA President Bill Tynan, W3XO. "We must, however, persevere and continue our present course to get the satellite tested and ready for a launch. And we pledge to do so."

Meinzer said he thinks the chances "are not bad" that Phase 3D will get aboard an Ariane 5 flight next year. "But also in parallel we should and will pursue other launch options," he advised the Phase 3D team. "Although in the short term we have a problem, in the medium term I am reasonably optimistic. So keep your fingers crossed."

### HAMS EAT SMOKE IN FLORIDA

Florida ARES and RACES teams—usually prepared to focus on the annual hurricane season that began June 1—have found themselves dealing instead with tornadoes, floods, sink holes, drought, and, most recently, devastating wild fires in several parts of the Sunshine State.

On June 6, several wildfires spawned by a 100-day drought broke out almost simultaneously in Florida's Flagler, Seminole, Brevard, and Lake counties. The Flagler fire consumed nearly 1700 acres, destroyed 19 homes, and damaged others. As a result, part of I-95 was shut down and the Red Cross set up a shelter with Amateur Radio Support. The Lake and Brevard fire consumed a large area but only minimal damage to homes.

Seminole County Emergency Management declared a state of emergency the evening of June 6. Seminole County EC Dick Fess, K4FUY, activated an ARES-RACES net, and the Red Cross opened a shelter close to the fire zone. Bob Wendoth, KS4CI, and Seminole County ARRL PIO Norm Lauterette, WA4HYJ, set up at the shelter in contact with the county EOC. "Our ARES/RACES direct communication link to the

*Continued next page*



EOC was very valuable," Lauterette said.

Nearly 300 residents were evacuated from the 1800-acre Geneva fire zone, and nearly 60 took refuge in the shelter. "Shifting winds caused the tree-top-high fire to leapfrog in several directions, forcing residents to flee with just the clothes on their backs," said Lauterette. "Families were split up, some missing, others known to have stayed behind."

In addition to tracking the flames, ham radio operators helped to check upon the whereabouts of individuals, handle medical needs, and report the condition of homes, pets and property. Fescue dog handler Allen Wilson, WB7BCI, also stood by at the shelter with his partner, Duke, if needed. All told, 17 hams volunteered their services in Seminole County. Most evacuees were allowed to return to their homes later the next day. In all, Lauterette and Mike Welch, KF4HFC, report, 54 homes and structures were destroyed in the four Central Florida fires.

Ironically, South Florida conducted its Simulated Emergency Test (SET) the same weekend. Lauterette says the fire duty provided solid exercise for the other emergencies that he's sure lie ahead.

Ten days later, on June 16, Alachua County ARES/RACES responded to a call for communication assistance from the county's emergency management office after brush fires broke out in an approximately 16-square mile area. As of week's end, the fires burned more than 11 square miles and ultimately forced evacuation of the entire town of Waldo, some 1100 people in all. Hams assisted at shelters, in the EOC, and on the scene. At one point, Red Cross had to move a shelter and hams helped coordinate supplies and count heads. In all, at least a dozen hams have participated in the fire emergency.

Jeff Capehart, KE4NIV, ARES and SKYWARN member as well as a volunteer firefighter, said severe thunderstorms passed

through the area in the midst of the fire and evacuation. "Two severe thunderstorm warnings were issued for Alachua County," he said. "Since hams were already at the EOC, a SKYWARN net was activated on top of the ARES net." Capehart says the rain brought some relief and helped to control the fires.—thanks to Norm Lauterette, WA4HYJ; Mike Welch, KF4HFC; Carla Sikorsky, KF4FRE, and Jeff Capehart, KE4NIV.

## IN BRIEF:

\* Illinois hams respond in tornado's wake: In the wake of a June 14 tornado, ARES members in the Quincy, Illinois, area joined forces with the American Red Cross to assess the damage. The storm activity damaged homes in at least two subdivisions. In all, five damage assessment teams, each accompanied by a radio-equipped amateur, fanned out to assess damage and injuries, which, fortunately, turned out to be relatively minor. In all, two businesses, a public building, and about two dozen homes were damaged. "Though the disruption to citizens' lives from the storm was painful, the ARES/ARC exercise was a success," concluded Adams County Assistant EC Jim Funk, N9JF. "Confusion was minimal. Volunteers responded quickly and cheerfully. Equipment worked." Funk said the hams learned a few things that should come in handy the next time there's an emergency.—thanks to Bob Crockett, N9KUT

\* More Amateur Radio proclamations: Michigan and Georgia have joined several other states in issuing proclamations honoring Amateur Radio. In Michigan, Gov John Engler declared June 22-29 as Amateur Radio Awareness Week. The resolution cites Field Day and mentions the ARRL and the SAREX programs. In Georgia, the General Assembly designated June 27-28 as "Amateur Radio Weekend." The resolution specifically mentions Field Day and its role as an emergency exercise.—thanks to George Race, WB8BGY, and Al Fischer, KC4RIB

\* AEA/Tempo not affected by Timewave filing: Mike Lamb, N7ML, of AEA/Tempo says the



company is financially sound and has no connection whatsoever to the recent Chapter 11 bankruptcy filing by Timewave. Lamb said some hams have confused AEA/Tempo and Timewave, both of which purchased different portions of the former AEA product line last year.

\* Ham radio for the birds? On May 3, while taking a break putting up a 60-foot tower for Bob Poirer, K0DJ, in Sinclair, Wyoming, the group of hams and a helper looked up and notices a small bird on a tower support wire. Upon closer examination, they realized it was a cockatiel—someone's pet. The helper, Dave Trujillo, climbed back up the tower, and coaxed the bird to come to him. He then carried the bird to safety. On the ground Ken and Mert Fults, KC7RZI and KC7RZJ, caged the bird and returned it to its owner, who had been trying to get the bird back since the previous evening. The bird was one-half of a breeding pair, and owner Mary Eaton was very surprised and pleased to get it back.—thanks to Mike Reed, N7ZEF

\* Amateur Satellites—Today and Tomorrow: Tired of the same old on-the-air stuff? Learn about something new—the exciting world of Amateur Radio satellites! Sign up for a fast-moving, five-hour workshop at the ARRL Southwestern Division Convention, Friday, August 14, 1-6 PM, on everything you need to get “on the birds.” Hear about 16 Amateur Radio satellites now in orbit, including an FM satellite you can work with an H-T and the low-Earth orbiting SSB/CW “Sats” on 2, 10, and 15 meters. This session covers

equipment requirements, operating protocol, how to track satellites with your PC, and how to get ready for Phase 3D, and much more. Space is limited. To register, contact Dan Miller, K3UFG, at ARRL HQ, 225 Main St, Newington CT 06111; tel 860-594-0340, before Aug 4. The fee is \$20 for ARRL members and \$25 for nonmembers. The fee covers the cost of materials and five hours of instruction. You might wish to purchase the ARRL's Satellite Handbook, in advance. It's item 6583, and it's \$22 (plus \$5 UPS shipping/handling), available via the ARRL Web site, <http://www.arrl.org>, or by calling toll-free, 888-277-5289.

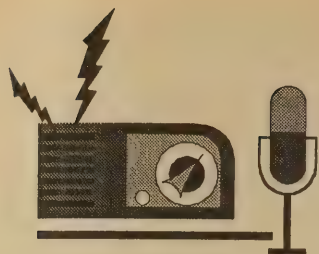
\* Amateur Radio shines at Tall Ships Riverfest: Amateur Radio played an important role in the Tall Ships Riverfest highlighting the Rockland County, New York, bicentennial celebration May 23-24. Approximately 125,000 people attended the event along the Hudson River. In all 46 amateurs participated in the two-day event the largest public event in the county's history. “As a result of all the efforts involved in putting this project together, public awareness of the value of Amateur Radio has been heightened in the county, and we now have further solidified open lines of communication with the various emergency services within Rockland County,” said Bob Chamberlain, N2KBC, who thanked the participants. “Not only was our part in the operation a total success, we were afforded an excellent county-wide training exercise that has provided us with new and invaluable emergency response skills.”—the Hudson Loop



## National Capital ARES Council Public Service Calendar

Sat	Aug	8	Skywarn Advisory Group - George, KR4MU (703)538-4959
Tue	Sep	22	Rock-n-Roll - Lenny, N3RPQ (202)291-2189
S/S	Oct	3/4	ARRL Simulated Emergency Test
Sun	Oct	25	Marine Corps Marathon - Jeanne, N4ZGI (703)971-0384
Thu	Dec	31	First Night - Alexandria - Jeanne, N4ZGI (703)971-0384





## DX DX DX

By John Kanode,  
N4MM

### DX ACTIVITIES AT THE DAYTON HAMVENTION

After the International DX Convention at Visalia, the DX activities at the Dayton Hamvention were somewhat disappointing. Friday evening, The Southwest Ohio DX Association hosted the Thirteenth Annual DX Dinner at the Crowne Plaza Hotel.

The attendance at this event in the past filled the banquet room, this year, the attendance was off. Maybe the price of the event has reached a level that many choose to dine elsewhere. The program this year at the DX Dinner was top notch. It was a presentation by Dr. Warren Hill, K7WX on DXing from the Indian Ocean, 8Q7AA. The program was very interesting and just the right length for an event of this nature.

As in the past, lots of nice prizes were given out. Bob White, W1CW was inducted into the CQ Magazine's DX Hall of Fame. Bob worked at ARRL HQ for many years as the DXCC Program Manager. The selection committee made a good choice.

After the DX Dinner, many of the DXers made a mad dash for the multitude of hospitality suites in the hotel. I spent several hours in the joint North Coast Contesters and Frankford Radio Club hospitality room. This is a large room on the 2nd floor of the hotel and many DXers and Contesters hang out here. There are other hospitality suites on the upper floors but they are small, hard to get to, get crowded very quickly and fill up with smoke.

The major DX and Contest presentations took

place on Saturday and ran all day. This year for some reason(s), the DX and Contest forums were moved to Meadowdale High School, which is about a mile from the HARA Arena. They had a free shuttle bus between the school and arena. It did not work well and many DXers and testers were very unhappy with this situation.

The DX and Contest forums are the two largest at the Hamvention and in the past, they draw many hundreds of attendees. This year, the attendance was way down to about 100. There was a lot of unhappiness about this and after the Hamvention, there was an article in the DX publications about it and the SWODXA was requesting input on this situation. Hopefully next year, these important forums will be back at HAAA Arena.

The DX forum this year had six slide presentations and no time allocated to DX discussion, reports and a Q and A session. They had this at Visalia and it went the full hour and was very worthwhile. Years ago, they used to do it at the DX forum at Dayton and it was well received, but for some unknown reason it was dropped. They would do well to reinstate this important program.

The six slide shows were the "North Cook Islands" by Tom, K8XP; "St. Peter and St Paul Rocks" by Karl P57KM; "Sabaai-dii from Laos PDR, XW30/XW30A" by Frank, AH0W; "8Q7AA-Low Band DXing from the Indian Ocean" by Warren, K7WX; "9M0C" Neville, G3NUG and "ZKIXPP Program" by Mike, N6MZ. The DX presentations at Dayton were almost a mirror image of Visalia.

When I was not at the ARRL display meeting people, I spent some time at the QRZ DX table. I met more DXers there than any other place at the hamvention. There were quite a few companies with booths catering to the DX and contest community. The attendance at the hamvention was about the same as 1997. They lost some attendance due to the date change. Hopefully it will improve over the years.

*Continued on page 49*





## ***Foundation for Amateur Radio***

# **HAM OF THE MONTH**

### **Posthumously awarded to James (Mike) Moseley**

The Laurel Amateur Radio Club would like to formally submit Mike Moseley, WB3HUP, for Ham of the Month in memorial.

James M.(Mike) Moseley died on March 24th, 1997 at the age of 48. Mike was an active member of the Laurel Amateur Radio Club. He never missed an event the club supported, even with heart problems. He served as the Vice-President of the club for the 1997 calendar year. In that time, Mike was part of a group that represented the club at meetings with officials of the city of Laurel to incorporate the Laurel Amateur Radio Club into the city's disaster plans. This eventually led to LARC installing a station at the Laurel Regional Hospital and LARC support for the city's snow removal plan.

Mike was also the Official Emergency Station, and club liaison for emergencies, with city and county authorities. He provided an emergency station at his place of business that includes a 50' foot tower, multiple antennas consisting of multiple beams, verticals, and a dipole. Mike also provided several radios and battery back-up as well as provisions for additional radios as needed. Through Mike's generosity, LARC was able to set up a digipeater at the site as well. Mike made the station available to members and non-members of LARC

alike as well as anyone else interested in amateur radio. Not only did LARC use the station for emergency drills, but for contests, special events and JOTA(Jamboree on the AIR).

Mike was very active in contesting as well, when he was contest mobile, he was very hard to beat. Ironically, Mike was making preparations for the Delaware QSO Party the day he had his heart attack. Mike was also an active member at field day. He was always one to try new things or improve on something from the previous year. He always had time to help other amateurs with projects, answer questions, or come up with alternative ideas to problems. For LARC projects, Mike would open his place of business and offer the use of his tools and test gear without question or recompense. Mike was content to be in the background and let others get the credit for a job well done.

Mike was a candidate for the heart donor program when he died. A member of LARC said it best at Mike's viewing, "they could not have found a heart big enough." Mike will be sorely missed by not only the Laurel Amateur Radio Club, but by the entire amateur community that knew him, worked him on the air, and who loved him.

### ***Do you have a nomination for FAR's Ham of the Month?***

Any licensed amateur radio operator in the Auto-Call subscription area who has contributed significantly to the amateur community can be nominated. Provide a narrative of 250 to 500 words describing the contributions of the nominee and forward to the FAR Ham of the the Month nomination chairman, Tony Young, WA3YLO, at 12016 Long Ridge Lane, Bowie, MD 20715.





# Amateur Radio Training

John Forrest WZ4A  
6111 Burnett St., Alexandria, VA 22310  
(703)971-3905

Please send announcements for training classes and club training contacts to WZ4A at the above address. Deadline is the 25th of the 2nd month prior to the *Auto Call* publication date (e.g., 25 December for the February issue).

## Club Training Contacts

Alexandria RC	Rich Adamy KA4GFY	(703) 644-3920
Anne Arundel RC	Tony Young WA3YLO	(301) 262-1917
Arlington ARC	Mike Callahan NW3V	(703) 241-5618
Antietam Radio Assn.	Robert Long KD3JK	(301) 824-5132
BRATS (Baltimore)	Joe Chidester W3SHZ	(410) 602-0353
Baltimore ARC	HAM-TALK, BARC Voice Mail	(410) HAM-TALK x3835
Central MD ARC	Jim Tilton KD3JA	(301) 552-0012
Dulles ARG	Michael Weber WB8RDN	(703) 450-2304
Fauquier ARC	Neil Spokes AB4YK	(540) 364-3861
Frederick ARC	Hal Silverman W3HWC	(301) 831-7946
Historical Electronics ARC	Rol Anders K3RA	(410) 969-0410
Laurel ARC	Pud Reaver W3YD	(301) 498-6293
Mid-Atlantic DX Assn.	Michael Vaia, WB8VBW	(301) 738-3861
Madras	Larry Ziecheck, N3GKZ	(301) 984-6113
MD Mobileers ARC	Bruce Colburn AA3KR	(410) 437-1891
Montgomery ARC	Rocky Jones KC4UXO	(301) 216-5210
Mt. Vernon ARC	John Forrest WZ4A	(703) 971-3905
NASA/Goddard ARC	Vikki Gigante KA3PVS	(301) 249-2609
Ole VA Hams ARC	Charles Dale WA4YGI	(703) 361-3091
Pentagon ARC	David Boyd K9MX	(540) 659-6241
St. Marys Co. ARC	Peter Butt WA3UMY	(301) 862-2214
Shenandoah Val ARC	Fred Wetzel W4KRT	(540) 678-0394
Southern MD ARC	Vic Curtis WA3YUV	(301) 888-1388
Southern Pax ARC	Dwayne Kincaid WD8OYG	(410) 586-2177
Stafford Adult Ed	Jerry Mullinix AC4HK	(540) 659-3905
Sterling Park ARC	Forrest Snyder N4UTY	(703) 430-4149
Tri-County ARC	John Creel WB3GXW	(301) 572-5124
Vienna Wireless	Kerry Kingham, WA4BQM	(703) 691-2719
Woodbridge Wireless	Jim Duffey WD4AIR	(703) 491-3170





## Volunteer Examiner Cooperative

JOHN FORREST WZ4A  
6111 Burnett St.  
Alexandria, VA, 22310  
(703) 971-3905

\* Effective July 1, 1998, the General Class written exam question pool (Element 3b) will change. All books and study materials not based on this new pool will be obsolete after that date. Be sure to use study materials appropriate for the current question pool.

\* Volunteer Examiners may refuse to test any applicant who fails to demonstrate to the VE's satisfaction that the memories in the applicant's calculator are empty. If you bring a calculator to an exam, please be prepared to demonstrate that your memories are empty.

\* Effective January 1, 1998, the maximum FCC authorized exam fee is \$6.39.

## 1998 Schedule of Examinations

<b>August 2 (Sunday)</b>	<b>Berryville, VA - Shenandoah Valley ARC (Hamfest)</b> (Mountain ARC VEC) Walk-In Contact: Fred Wetzel W4KRT (540)678-0394 Leo Patterson KQ8E (304)289-3576
<b>August 6 (Thursday)</b>	<b>Martinsburg, WV- Mid-Atlantic DX &amp; Repeater Assn.(ARRL VEC) Pre-Registration Preferred, Walk-Ins Accepted</b> Contact: Gregory Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 Alan-Moeck@juno.com
<b>August 8 (Saturday)</b>	<b>Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In</b> Contact: Frank Mackey K4EC (703)455-1510
	<b>Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In</b> Contact: Bob Israel WC3I (301)262-5083
	<b>Cumberland, MD - (Mountain ARC VEC) Walk-In, Contact: Leo Patterson KQ8E (304)289-3576, Gay Rembold W3DFW (301)724-0674</b>
	<b>Sterling, VA - Dulles Amateur Radio Group (ARRL VEC) Contact: Mike Weber WB8RDN (703)450-2304</b>
	<b>Culpeper, VA - Culpeper VE Team (VEC Unknown) Walk-In</b> Contact: John Berry AF4CY (540)543-2580



<b>August 9 (Sunday)</b>	<b>Middletown, VA - Winchester ARS (ARRL VEC) Walk-In</b> Contact: Alan Moeck WA2RPX (540)869-1117 Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com
<b>August 15 (Saturday)</b>	<b>Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In, Contact: John Creel WB3GXW (301)572-5124 after 6 PM</b>
<b>August 22 (Saturday)</b>	<b>Towson, MD - Baltimore ARC (Laurel VEC)</b> Pre-Registration Requested, Walk-Ins Accepted Contact: Frank Stone AC3P (410)Ham-Talk mailbox TEST
<b>August 25 (Tuesday)</b>	<b>Annapolis, MD - Maryland Mobileers ARC (Laurel VEC)</b> Pre-Registration Requested - Limited Walk-In Contact: Lois Turner KA3VVQ (410)647-4178
<b>September 3 (Thursday)</b>	<b>Martinsburg, WV-Mid-Atlantic DX &amp; Repeater Assn.(ARRL VEC) Pre-Registration Preferred, Walk-Ins Accepted</b> Contact: Gregory Lanham KU4AN (540)722-4792 kuan@visuallink.com Alan Moeck WA2RPX (540)869-1117 Alan-Moeck@juno.com
<b>September 6 (Sunday)</b>	<b>Landover, MD - DCMARC (ARRL VEC) Walk-In</b> Contact: Freddie Battle NG3G (202)546-9348 Day (301)773-2898 Night
<b>September 12 (Saturday)</b>	<b>Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In</b> New Location for September Exam Only - Please Call For Directions Contact: Frank Mackey K4EC (703)455-1510
	<b>Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In</b> Contact: Bob Israel WC3I (301)262-5083

***Don't forget to bring your license when upgrading!!***



**September  
13  
(Tuesday)**

**Middletown, VA - Winchester ARS (ARRL VEC) Walk-In**  
Contact: Alan Moeck WA2RPX (540)869-1117  
Gregory Lanham KU4AN (540)722-4792 KUAN@visuallink.com

**September  
19  
(Saturday)**

**Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable,  
Limited Walk-In**

Contact: John Creel WB3GXW (301)572-5124 after 6 PM

**Manchester, MD - Hanover Area Hamming Assn. (ARRL VEC) Pre-  
Registration Preferred - Walk-Ins Accepted Contact: Ed Davis KE2FN  
(410)239-8488**

**September  
22  
(Tuesday)**

**Glen Burnie, MD - Maryland Mobileers ARC (Laurel VEC)**  
Pre-Registration Requested - Limited Walk-In  
Contact: Jerry Gavin NU3D (410)761-1423

**October  
1  
(Thursday)**

**Martinsburg, WV-Mid-Atlantic DX & Repeater Assn.(ARRL VEC) Pre-  
Registration Preferred, Walk-Ins Accepted**  
Contact: Gregory Lanham KU4AN (540)722-4792 kuan@visuallink.com  
Alan Moeck WA2RPX (540)869-1117 Alan-Moeck@juno.com

**October  
4  
(Sunday)**

**Landover, MD - DCMARC (W5YI VEC) Walk-In**  
Contact: Freddie Battle NG3G (202)546-9348 Day (301)773-2898 Night

**October  
10  
(Saturday)**

**Alexandria, VA - Mt. Vernon ARC (Laurel VEC) Walk-In**  
Contact: Frank Mackey K4EC (703)455-1510

**Davidsonville, MD - Anne Arundel Radio Club (Laurel VEC) Walk-In**  
Contact: Bob Israel WC3I (301)262-5083

**Cumberland, MD - (Mountain ARC VEC) Walk-In**  
Contact: Leo Patterson KQ8E (304)289-3576  
Gay Rembold W3DFW (301)724-0674

***Don't forget to bring your license when upgrading!!***



**October  
11  
(Sunday)**

**Middletown, VA - Winchester ARS (ARRL VEC) Walk-In**  
Contact: Alan Moeck WA2RPX (540)869-1117  
Gregory Lanham KU4AN (540)722-4792 - KUAN@visuallink.com

**October  
17  
(Saturday)**

**Laurel, MD - Laurel ARC (Laurel VEC) Pre-Registration Desirable, Limited Walk-In, Contact: John Creel WB3GXW (301)572-5124 after 6 PM**

**Fredericksburg, VA - Fredericksburg VE Team (ARRL VEC) Walk-In**  
Contact: Carolyn Cavanagh AC4SK (540)373-7076

**October  
24  
(Saturday)**

**Towson, MD - Baltimore ARC (Laurel VEC) Pre-Registration Requested, Walk-Ins Accepted**  
Contact: Frank Stone AC3P (410)Ham-Talk mailbox TEST (8378)

**October  
25  
(Sunday)**

**Hagerstown, MD - Antietam Radio Assn (ARRL VEC) Pre-Registration Suggested - Limited Walk-Ins**  
Contact: Bob Long KD3JK (301)824-5132, rjlong@erols.com

## **TRAINING CLASSES**

**NOVICE/TECHNICIAN CLASS:** Sponsored by the Baltimore County Board of Education, Office of Adult Education and the Baltimore Amateur Radio Club (BARC). Monday evenings, September 14 to November 2, 1998 (8 weeks). Time is 7 to 9 PM. Fee is estimated to be \$30. Call (410)887-4064 to register or for information on the Adult Education programs. For additional information about this class or BARC, call (410)HAM-TALK, mailbox 3835.

**ELMER COURSE:** The Mt. Vernon Amateur Radio Club will present an Elmer Course to help new hams become more proficient in the hobby by transitioning from license exam study to station building and actual amateur operation. If you have questions, problems, or are feeling left out of the amateur radio community, perhaps we can help. The course will meet from 10:30AM to 2:00PM on the fourth Saturday of each month from January thru December at the Mt. Vernon Government Center on Parkers Lane in the Mt. Vernon area of Alexandria, VA. For information contact: Frank Lempicki, AA4ZS at (703)971-9304 or Chuck Haser, W3HSW at (703)660-6623.





# Volunteer Examiner Cooperative

## EXAM FEES:

- \* Check for appropriate exam fee. Fees and modes of payment for individual VECs and exam teams may vary.
- \* ARRL VEC exams cost \$6.35
- \* Laurel VEC exams are free
- \* Mountain VEC exams are free
- \* W5YI VEC exams cost \$6.35

## BRING TO EXAM:

- \* Picture identification
- \* Completed FCC form 610 (most VE teams will supply at exam)
- \* Original and a copy of current FCC amateur radio license
- \* Originals and copies of all active certificates of successful completion of prior exams
- \* Exam fee (check or cash depending on VE team)

## "GRANDFATHER" CREDIT FOR ELEMENT 3B (GENERAL WRITTEN):

- \* If you presently hold a Technician class license which was first issued prior to March 21, 1987, you may be grandfathered for Element 3B (General class written exam) by presenting the original and a copy of the license dated prior to March 21, 1987 to the VE team. It is your responsibility to prove that you are entitled to grandfathering. Do not lose your original license!

## RULES FOR SUBMISSIONS TO THE FAR VOLUNTEER EXAMINER COOPERATIVE:

1. All submissions must be in writing
2. Date and day of week must be specified for each exam date
3. Point of contact and phone number must be specified
4. Sponsor and location must be specified
5. VEC must be specified
6. Exam dates up to 12 months in advance will be accepted
7. Deadline for submission is 25th of the 2nd month prior to publication date (e.g., January 25 for March issue)





## Alexandria Radio Club

**Meetings:** Second Friday of each month, 7:30 PM at the Alexandria Fire Department Administrative Office (co-located with Fire Station #54), 900 Second St., Alexandria, VA  
**Nets:** Every Thursday at 8:00 p.m. on 147.315 output / 147.915 input. (W4HFH repeater)

**Web page:** <http://members.aol.com/N4CWP/W4HFH.HTML> (or search on Yahoo: W4HFH or Alexandria Radio Club).

**Information:** Rich -KA4GFY, 703-644-3920.

Are you looking for a new band or mode? The equipment you have just isn't as exciting as it once was? Looking for a challenge, something more than just turning on that rig, and hearing something from it? How about building your next new piece of equipment. It's a great way to explore a new band or mode, without breaking the bank. You also get to learn something along the way.

Several members of the Alexandria Radio Club have been in a kit building mood for the last year. We have discovered the world of six meters through kits. A couple of HF receivers have been built. The kits look every bit as good, and work every bit as well as the commercially made gear. We get very good reports on the transceivers from other hams we talk to on the air. There are more and more kit-built transceivers heard on the air. Best part of all, you get the satisfaction of building it yourself.

Kit-building fever is spreading in the club. We are planning to take on building direction-finding kits as a club project. Some members are building other kits to become active on new bands. There is no shortage of what is out there in the kit market. Kits range from simple clocks to some very complicated HF transceivers. The message is, there is definitely a market for almost do it yourself equipment.

While we were out in Dayton, we attended a kit-building seminar. It was the first time for a kit-building seminar, but the room was pretty well filled. Everybody was interested in learning about what was available, and what is coming. The interesting thing is, the kits are not necessarily that much cheaper than commercially made equipment. Nor do they have more features than commercially made equipment. In fact, most are bare-bones pieces of equipment. However, kits are in demand.

Is this a signal to the manufacturers that their equipment is becoming too complicated? Probably not. However, it may be a signal that the ham radio population wants to be aware of what goes on inside that radio.

If you are looking to try a new mode, or new band, try building your next radio. You might run across some of the Alexandria Radio Club members on the air.

73, Rich, KA4GFY



## Anne Arundel Radio Club

**Meetings:** 8 PM 1st and 3rd Thursdays, Davidsonville Family Recreation Center, Queen Anne Bridge & Wayson Roads off MD Rt. 214 near Annapolis.

**On the air:** 2030 Thursdays when there is no club meeting on 147.705/105. Tuesdays at 2030 local time on 28.410. Wednesdays at 2000 on 444.400. The Chesapeake Weather & Traffic Net on 147.705/105 at 1100 and 1500 every weekend day and public holiday from April 1 to November 15. MSN (Maryland Slow Net) every evening at 1930 on 3.7170 MHz.

**Address:** P.O. Box 308, Davidsonville, MD 21035.

**Information:** Margaret (Holly) Bevan, 410-923-0229.



Another Field Day has come and gone. Everyone was delighted that this year the bands were much more open than they were last year. AARC set up on the grounds of the Davidsonville Family Recreation Center with three HF stations, a VHF-UHF station and a Novice Station. All stations were on low power, using batteries charged by solar panels. Co-coordinators Phil/N3ZYL and Norm/N3RZU were pleased with the results. Approximately 1165 contacts were made which resulted in about 9115 points, including bonus points. Everyone reported a great time!

The weather was good for the club's annual family picnic on June 20th. It was a little warm, but there was a delightful breeze. It was the best attended picnic to date. There were 105 adults and 21 children—all ages from infants to great-grandparents. The club furnished the hot dogs, hamburgers, buns, condiments and cold drinks. The attendees brought a delicious assortment of finger foods, side-dishes, salads and desserts. The children enjoyed the playground and the adults ragchewed, some meeting face-to-face for the first time. A GOOD TIME was had by all. Co-coordinators Tony/WA3YLO and John/N3ZCE did a great job.

On June 18th, FCC Agent Donald Bogert from the Columbia Field Office gave a very interesting program on methods they use to deal with interference problems. He said that FCC technical capabilities have improved greatly over the years and he discussed how they now are able to locate RF signal sources and resolve interference problems. He had with him one of the FCC Mobile Digital Direction Finding Vehicles (MDDF) which proved to be of great interest to attendees.

We regret to report another silent key. Abe Parys/N3CZX of Oakland, MD died suddenly and unexpectedly on June 12th. Abe served as President of AARC during the latter part of 1986 and in 1987. He served very effectively during a crucial period in the club's history. Prior to that, he served for a number of years as Chief of Police in the town of Cheverly, MD. He and XYL Doris moved to Oakland several years ago.

At the clubhouse on June 13th, Charles Tiemeyer/W3RMD, Harold (Ham) Molz/N3FDH and Robert Kammer/N3POX gave 7 tests to 6 persons. Three tests were passed with 3 upgrades. Other members of the team included Oscar Ramsey/NV3G, Harlan Ray III/AA3FE, Bettye Tiemeyer/K3VRZ and Holly Bevan/N3MB. The next testing session at the club will be August 8th.

73, Holly/N3MB



## Antietam Radio Association

**Meetings:** First and Third Tuesday of the month at 8 p.m. in the Conference Room at the Washington County Regional Airport, Showalter Road, Hagerstown, Maryland.

**Mailing Address:** P.O. Box 52, Hagerstown, MD. 21741

**Nets:** Tuesday 7 p.m. 146.940 MHz.; Wednesday 7 p.m. 447.975 MHz.; Thursday 7 p.m. 147.090 MHz.

**Repeaters:** 147.09+ and 146.94 -.

**Information:** Donnie Sue Mulligan/  
KB3AOO (301) 582-2984

The ARA met at Richardson's Restaurant on June 2 to eat a good dinner, talk ham talk, get some certificates and plaques, and to install the new officers for the coming year. Tim Keener/N3VGS, the ARA President of last year and for next year, began by having us take one moment of silence in memory of Senator Barry Goldwater/K7UGA, a Notable Silent Key.

The new officers are: Tim Keener/N3VGS for President, Carl Morris/WN3DUG for Vice President, Donnie Sue Mulligan/KB3AOO for Secretary, Amanda Daywalt/N3TVD for Treasurer, Don Jones/KB8WHW for Activities Chairman. The three Directors elected were George Carpenter/N3QFS, Page Pyne/WA3EOP, and Irvin Golden/N3VOE.



The certificates were handed out by Tim. There were four Pack-Horse Awards...Don Jones/KB8WHW, Tina Jones/KB8ZQM, Page Pyne/WA3EOP, and Bob Long/KD3JK got them.

There were four Most Repeatable Amateur Operator Awards...John Smith/N3TDN, Charlie Mulligan/N3MVR, Joe Lochbaum/WA3PTV, and Gene Sigler/N3MZB got them.

There were three Appreciation Awards...George Carpenter/N3QFS for taking charge of the Volunteer Examining Team, Jim Dula for being Field Day Chairman in 1997, and Amanda Daywalt/N3TVD for continuing as a club officer.

The certificate for Mobile VHF Amateur Operator Award was given to Bill Drager/K3UMV, an Almost Invisible Amateur Operator Award was given to Gary Swales/K3CWC, a Most Courteous Amateur Operator Award was given to Carl Morris/WN3DUG, a Most Knowledgeable Amateur Operator Award was given to Charlie Anderson/NF3X, a Most Quick-Witted Amateur Operator Award was given to Bill Harclerode/N8UKC, a Most Enthusiastic Amateur Operator Award was given to Al Boyers/N3NVT, and the Most Missed Past ARA Member Award was given to Buck Huntsberry/WA3VDX.

The Outstanding Amateur Plaque was given to Carlo Belella/K3ABH for being QRN Editor for 3 years, doing Net Control Officer many, many times, for doing Public Service Events, and for the reservations for the June dinner.

The Ham Of The Year Plaque was given to Donnie Sue Mulligan/KB3AOO for being the Public Information Officer for many years, for writing for Auto-Call magazine, and for volunteering to be secretary when Amanda couldn't make the meetings.

We gave Dave Garrett/N3ZPC and his daughter Grace/N3ZPD a round of applause for doing such a good job on our newsletter, the QRN.

Will tell you about the ARA Field Day next time...73, Donnie Sue/KB3AOO



## Baltimore Amateur Radio Club

**Meetings:** Meetings: Twice monthly, 7:30 pm at Towson Presbyterian Church (June through Sept). -First Wednesday of the month -business meeting, Third Wednesday of the month -program.

**Repeaters:** W3FT/RPTR 146.67(-), 224.24 (-) (no PL) and 449.625(-)(PL 107.2) Note: two meter/220 Mhz. repeaters are linked.

**Club Net:** 2nd, 4th & 5th Wednesdays at 6:45 PM or after the Baltimore Traffic Net on 146.67/224.24 repeaters.

**NTS Net:** Daily at 6:30 pm on 146.670/224.240

**Information:** (410) HAMDALK  
**Greater Baltimore Hamboree & Computerfest/Maryland State ARRL Convention information:** (410) HAM-FEST or (800) HAM-FEST.

**Club Address:** BARC, Inc., P.O. BOX 120, Reisterstown MD 21136

**Internet Address:** <http://www.baltarc.com>

**E-Mail Address:** [info@baltarc.com](mailto:info@baltarc.com)

## ELECTIONS

The elections held in June resulted in the following new slate of officers for 1998-99:

N3VEJ, Doug Wittich, President  
N3ZKP, Lon Kinley, Vice President  
N3XPK, Robin Schaefer, Recording Secretary  
KB3BXA, Val Purvis, Corresponding Secretary  
N3WD, Bill Dobson, returning as Treasurer

The whole club thanked the 97-98 officers, Ed, N3WJA (Pres), Randy, N3WXG (VP), Chuck, K3FT (Recording Secty), Doug, N3VEJ (Corresp Secty) and Bill, N3WD (Treas) at the July 1 club meeting. Much was accomplished during the past



# The Shenandoah Valley Amateur Radio Club

Presents The

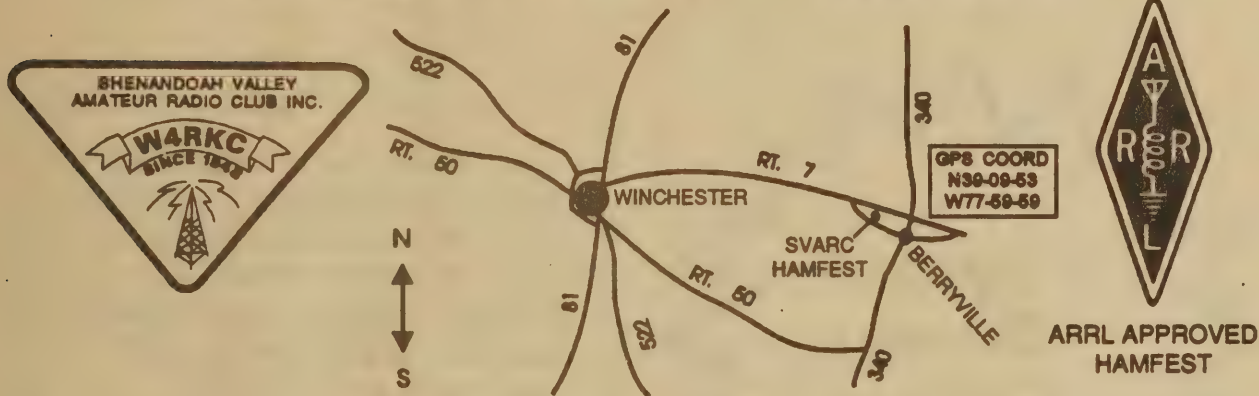
## 48th Annual Winchester Hamfest and Computer Show

(Electronics Flea Market Open To The General Public)

### SUNDAY, AUGUST 2nd, 1998

at the

### CLARKE COUNTY RURITAN FAIRGROUNDS IN BERRYVILLE, VIRGINIA



**Remember!**  
Always the first  
Sunday in August.

Hamfest Chairmen  
Tom Martin  
KF4TNX

- GATE OPENS AT 6:00 AM
- GENERAL ADMISSION \$5.00 (children under 16 free)
- TAIL-GATERS ADDITIONAL \$7.00 PER SPACE
- COMMERCIAL & INDOOR TABLES BY RESERVATION
- COUNTRY HAM & EGG BREAKFAST
- CONCESSIONS & SNACK BAR AVAILABLE
- RURITAN'S FAMOUS CHICKEN & BEEF BARBECUE
- VE EXAMS (SAME DAY)\*
- TALK-IN 146.82(-), W4RKC
- FREE BINGO WITH PRIZES
- GRAND PRIZES AND HOURLY DRAWINGS
- COUNTY PARK WITH POOL, PICNIC AREA,  
AND PLAYGROUND OPPOSITE HAMFEST SITE

For information, vendor registration and pre-reservations, contact **Jane Barb KD4IET** (540) 955-1745 email: [ibarb@visuallink.com](mailto:ibarb@visuallink.com) or **Tom Martin, KF4TNX** (540) 323-0074, or [email: [hamfest@Vvalley.com](mailto:hamfest@Vvalley.com)] P.O. Box 139, Winchester, VA 22604. Download this flyer and vendor table forms from our Web Site at: <http://www.Vvalley.com/svarc/hamfest>

\*VE Exams by the Mountain A.R.C. Teams at Cooley School, across from Hamfest. Walk-ins welcome. Register between 7:30 & 8:30 AM. Exams begin at 8:30. This VEC team **does not charge** for exams. All classes offered. For more info, contact Gay Rembold, W3DFW (301) 724-0674 or Fred Wetzel W4KRT (540) 678-0394, email: [fwetzel@adelphia.net](mailto:fwetzel@adelphia.net)

The SVARC is a non-profit, non-commercial special service organization dedicated to the furtherment of Amateur Radio communications



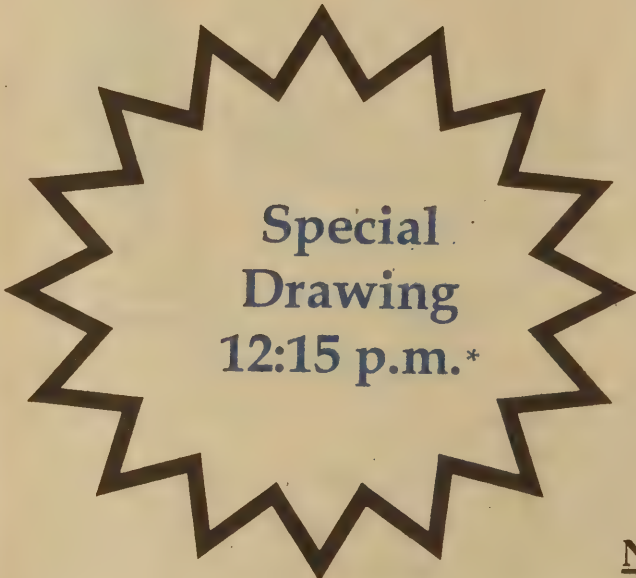
# F.A.R.FEST '98

September 13, 1998

Montgomery County Agricultural Center  
(Fairgrounds)

Gaithersburg, Maryland

I-270 Montgomery Village Avenue exit



Special  
Drawing  
12:15 p.m.\*

- AMATEUR RADIO EQUIPMENT  
(NEW AND USED)
- ELECTRONIC EQUIPMENT
- COMPUTERS/SOFTWARE
- EXHIBITORS & TAILGATING
- AMATEUR EXAMS ON-SITE  
9:00 AM (LAUREL VEC's)

HOURLY DRAWINGS

NO UNOCCUPIED RESERVED SPACES

**TALK-IN**

**146.955-**

**443.400+**

**146.520**

*Parkway gate opens 6 AM*

GENERAL DONATION: \$5.00 ADULTS

COMMERCIAL BUILDINGS OPEN 8:00 A.M.

**TailGate, \$15.00 (per 10ft. frontage ) requires one General Admission ticket**  
**Set up from 2 pm Saturday--General Admission will be open during setup**

GENERAL INFORMATION: Al Brown KZ3AB, 301-490-3188 or [amateur\\_radio@hotmail.com](mailto:amateur_radio@hotmail.com)

All Requests for advance table and space reservations contact:

Mary Morris N4TCI, [amateur\\_radio@hotmail.com](mailto:amateur_radio@hotmail.com), 703-

**"THE ONLY PLACE TO BE SEPTEMBER 13TH"**

\* Picture ID required to claim prize





# VIRGINIA BEACH HAMFEST

Sept 19 & 20, 1998

Virginia Beach Pavilion Virginia Beach, Va.

## ARRL ROANOKE DIVISION CONVENTION



- MAJOR HAM RADIO DEALERS & MANUFACTURERS
  - AMATEUR RADIO EXAMINATIONS ON SUNDAY SEPT 20, 1998
    - FIELD CHECKING FOR ARRL & CQ DX AWARDS
    - MICROSOFT PROGRAM
    - AMATEUR RADIO & COMPUTER FORUMS
    - BANQUET ON SATURDAY NIGHT SEPT 19, 1998
  - FREE PARKING
- TALK - IN ON 146.970 REPEATER

### COMMERCIAL BOOTHS

Lewis Steingold W4BLO  
1008 Crabbers Cove Lane  
Virginia Beach, VA 23452  
FAX - 757 - 486 - 0757

### 757- HAM - FEST

E - MAIL  
HAMFEST@EXIS.NET

WWW.VAHAMFEST.EXIS.NET

### TICKETS & TABLES

Manny Steiner K4DOR  
3512 Olympia Lane  
Virginia Beach, VA 23452

S.A.S.E. Required

Make Checks & Money Orders Payable to " TRCI "

Name \_\_\_\_\_ Telephone \_\_\_\_\_ Fax \_\_\_\_\_

Business Name/Call Sign \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

\_\_\_\_\_ Advance tickets good for both days ---- \$5.00 .....

Children under 12 free TICKETS WILL BE \$6.00 AT THE DOOR.

\_\_\_\_\_ Commercial 10' x 10' Booth Good for both days ----\$150.00 per booth .....

\_\_\_\_\_ Commercial 8' Tables for both day's ---- \$30.00 .....

\_\_\_\_\_ Electrical Outlet for both day's ---- \$25.00 .....

\_\_\_\_\_ Banquet Ticket per person Saturday night ---- \$20.00 .....

\_\_\_\_\_ Outdoor Tailgate - ADVANCE REGISTRATION ---- \$15.00 .....

## OUTDOOR TAILGATE - ADVANCE REGISTRATION

Tickets ARE REQUIRED when Renting Commercial Tables and Tailgate Spaces

Local ordinances and Hamfest policy do not permit firearms or pornographic material to be displayed or sold at the show.

" TIDEWATER RADIO CONVENTION'S INC. "



year. A review of those activities was held in conjunction with planning for the coming year.

## FIELD DAY

W3FT, 3A, MDC was on the air from Graham Memorial Park near Cub Hill, Md. The Baltimore Radio Amateur Television Society (BRATS) joined in the efforts to create one of the larger field day sites in the metro area. Tom, N3YHC led the efforts with much assistance from a few people. Andy, N3JYO lead the Novice-Tech station. Several of the operators have recently learned CW and passed the 5 wpm exam. BRATS brought ATV, Chuck K3FT and Al, W3YVQ racked up hundreds of CW QSO's in the log, while AA3LN and his crew made the HF sideband contacts. Randy, N3WXG, worked the VHF station as long as the antenna connection held up. Friday night was exciting, with one-inch hail (reported to Skywarn on 147.03+, the BRATS repeater), then two more electrical storms. We were all glad the five sleeping tents survived without damage.

## CLASSES

The CW class taught by Al, W3YVQ, was a success. At least two of the five students have already passed their five, and one took the class only as a refresher. Many thanks are due to Al for coming out three times a week for four weeks to teach this class.

We also have another Novice-Tech class coming up, starting in September.

Registration information is available from Baltimore County Board of Education, 410-887-4064. Information on the class can be had from Doug, 410-HAM-TALK, box 3835. The class will be held for eight weeks at the Cockeysville Middle School, from 7 to 9 PM on Monday nights. The county fee is approximately \$30 and the book will be provided by the Baltimore Amateur Radio Club. That's it from Baltimore, 73

Val KB3BXA



## Capital City Amateur Radio Society

**Meetings:** 3rd Saturday of each month at 1200 hours at the Woodridge Public Library, 18th and Rhode Island Ave, N.E., Washington, D.C. Visitors welcome.

**Repeater:** W3EIL 144.51/145.11 MHz, open.  
**Nets:** Regular net Wednesday at 2000 hrs, RTTY net Thursdays 2100 hrs, voice portion 2145 hrs, all on 145.110.

**Mailing Address:** CCARS, 1719 Franklin Street, N.E. Washington, DC 20018-2033.

**Information:** Steve, W3ETX, (202) 526-1329 or Chester, W3EIL (202) 529-9598, Joe K3UAL (301) 773-5074 EMail K3UAL@Juno.com.

Saturday, June 20 what a beautiful day it was, CCARS held it's Picnic-Meeting at the QTH of Joe K3UAL in Cheverly, Md. A formal meeting was conducted at pool side by our President Cooley WA3HPS. It was reported in the meeting that Sharyn KA3DOF is on the mend after her illness also Juanita N3NQC is improving after her illness. Many new plans and programs were discussed for introduction in the fall. This will be the last meeting until the fall. The meeting was closed and a Picnic lunch was served to the club and guest.

Guest attending were Cheryl XYL of Colin N3UBI, Jeanne XYL of Joe K3UAL. Everett Bollin WA3DVO his XYL Pam N3NKW.

The Host Committee for the affair was Colin N3UBI and Joe K3UAL and Jeanne XYL of K3UAL. CCARS club members in attendance were: Jim AA3CD7 Ham N3DTZ, Chester W3EIL. Steve W3ETX. Cooley WA3HPS? Willis N3LGB, Shep WB3KIC. Harold N3QEX. John N3TCD. Joe K3UAL, Colin N3UBI, Bob KA3GER.

Joe K3UAL conducted a tour of his radio shack and explained the use of his antennas and antenna



switching system.

CCARS sends it's condolences to Ham N3DTZ and family for the loss of his brother, a residence of Ohio on the 29th of May.

73's Joe K3UAL  
K3UAL-1@Juno.com



### Carroll County Amateur Radio Emergency Team & Radio Club

**Address:** Carroll County Amateur Radio Club  
P.O. Box 2099, Westminster, MD 21158.

**Repeaters:** 2M: 145.410-, 70cm: 449.875,  
6M: 53.090.

**BBS:** 145.03 & 446.075.

**Nets:** Tuesdays 8:30 p.m. local CARET Net  
145.410-. Wednesdays: 8:00 p.m. local, Mason  
Dixon Swap Net 145.410-.

**Club Meetings:** Business meeting Second  
Monday of the month at the EOC in  
Westminster. 7:30 p.m. local, talk-in: 145.410-  
Program meeting: Last Wednesday of the  
month at the EOC in Westminster. 7:30 p.m.  
local, talk-in: 145.410-.

Another Field Day is put to bed. This event is definitely becoming a must for kicking off the summer season. The Field Day committee again did a fine job in preparing this event. I think that considering the caliber of which the Field Day committee prepared, next year we may not need to start setting up until Saturday morning. Again this year we had good weather.

It was a real pleasure catching all the new faces out there experiencing not only the radio part but the social part of Field Day. The Peregoy family (Bill N3XLY, Jeannine KB3CAW, and Curt) stayed the whole weekend. Clint KB3BWC was a major player at the Novice/Tech station along with the Peregoys and Ray KB3CDE. The picnic on Saturday night is becoming a real social event. I was glad to see and meet all the spouses and junior

ops of club members besides N3CVC, N3VRG, and N3MAK. Again we had plenty of good food. I would like to thank all those who turned out to participate in anyway. N3SB, K3DUG, N3JIA, KG6TU, NY3M, N3SOK, KF3AK, N3YIM, N3MNM, KE3FL, K3MTT, and especially to our new comers, Dale W3JQ, John W3JJH, John KB3BGZ, and Greg KA3WRZ. And, we had a guest from Norway stop by. Gunn Merit Hernes, LC1OAT, visiting this country from Nodeca, Oslo viewed her first Field Day.

Kudos to the most impressing CW station operators W3DF and WX3B. Real artist. I felt as though I should have paid for tickets to get the front row seat that I had. Musicians in the art of CW. Jim WX3B was nicknamed "Mad-Man". Who says CW is dead. I had witnessed two operators who definitely are fluent in the language. I know that Dan W3DF was a CW communicator in the Coast Guard. I would like to some day become as fluent in the language as they are. Maybe we have two stations to put a showing in the November SS for the Club. Dan W3DF and Jim WX3B - I'm sure would make for a few million points in the Sweepstakes.

Wow, all the stuff that we could talk about from Field Day. Next year, I would like to learn the names of all the family members who attend the picnic (Well, maybe write down there names).

Ray KB3CDE wanted to know when the next contest opportunity is. I know that WX3B was wondering, also. The next event is the MDC QSO Party.

In the beginning of June, I mailed the package to the IRS containing the club's application for Non-Profit Exemption. Now to wait for the results.

I want to thank Wayne N3UN, Dave KG6TU, and Jim WX3B for doing a fine job with the VE testing this past month.

Hope you all had a happy 4th!  
73 de WX3F





## Central Maryland Amateur Radio Club

**Meetings:** 4th Friday of the month at 7:30pm, at the Doctors Community Hospital, 8118 Good Luck Road, Lanham, MD (no meeting in December). Enter in the Outpatient Testing entrance across from the Emergency Room entrance behind the main building. Take the elevator to the 5th floor and exit left, the meeting room (DSE Room) is on the right.

**Repeater:** N3EZD/R 145.230 Mhz. Users must transmit a 110.9 Hz CTCSS Tone for full area coverage. No tone necessary for local coverage.

**Net:** Every Tuesday, 9:30pm, 145.230 MHz repeater.

**Mailing Address:** Central Maryland Amateur Radio Club, P. O. Box 788, Greenbelt, MD 20768-0788.

**Information:** Jim Tilton, Pres. - KD3JA, (301) 552-0012.)

**Web Page:** <http://www.erols.com/jctilton/cmarc/>.

### Field Day 1998

CMARC participated in Field Day again this year with an emergency powered set-up at the New Carrollton Bible Church, located on Good Luck Road, just inside the Beltway overpass, in New Carrollton, MD. Roger/W3VP coordinated CMARC's Field Day effort. Special thanks to Sam/N3SJD, for providing his church's grounds as our Field Day site. Thanks also to Leah/N3RLN, Randy/WB5LPN, Tony/N3JWT, Oscar/NV3G, Jim/KD3JA, Tom/N3BXW and Kenny Voigt for their participation

### Morse Code Practice Net

The CMARC Code Practice Net is being temporarily discontinued for the remainder of the summer due to a lack of students. We hope to revive

it in the fall.

## Special Events Station - Labor Day Weekend

CMARC will operate a special events station from the Greenbelt Labor Day Festival on Saturday September 5th from NOON through 10pm EDST and on Sunday September 6th from NOON through 8pm EDST. Look for us on the lower portions of the General Class bands on 80, 40, 20, and 15 meters. Confirmed contacts supplying a 8"x11" S.A.S.E. will receive a special certificate.

73 de Jim/KD3JA



## Charles County Amateur Radio Club

**Meeting:** General membership meeting first Friday of every month at 7:30 PM in the Charles County Government Building, Office of Emergency Preparedness (OEP), La Plata, MD. Non-members are very welcome.

**Mailing Address:** Charles County Amateur Radio Club, Inc., P.O. Box 668 White Plains, MD 20695-0668.

**Repeaters:** KA3GRW/R, 443.700+, LaPlata, W6QMN/R 145.39+ (PL 7Z), Bryantown, MD

**Repeater Trustees:** KA3GRW, Mike Tackish W7UH, Bob Adams.

**Special Event Callsign:** K3SMD

**Interim Website:** <http://www.qsl.net/k3smd/index.html>

**Information:** Mike/KA3GRW (301)609-9298 or Gary/K3GRG (301)645-7465

WOW what a super, terrific June and July it was for the Charles County Amateur Radio Club! First off was the Field Day antenna building party during the monthly meeting. Secondly, and most importantly, was our participation in the monthly COMMEX on June 9th. Club participation was



OUTSTANDING! A very special thanks to: Mike/KA3GRW, Ron/KD4UUH, Jim/K3DRJ, Bill/KE3RE, another Bill/WB3KYW and Fred/K8TKC.

Another of our charter missions was accomplished the very next day, June 10th. We participated in a Charles County-wide Disaster Drill. Mr. Donald McGuire, Director of Emergency Services said OUR involvement and dedication was the difference between success and failure. He further stated that this was the FIRST time emergency managers were able to receive damage reports from the field and communicate with shelters, as first responder (police, fire and EMS) channels were overloaded. The participants, and the club, offered a clear and concise link to the "rebuilding" process. This was all too evident during the debrief when all agency representatives clapped for us, the Charles County Amateur Radio Club. Keep in mind this drill was held during the week. So, a SUPER thanks go out to: Mike/KA3GRW, Fred/K8TKC, Bill/KE3RE, Vicky/N3OAD, Jim/N3SFY, Michelle/N3YRZ, Ron/KD4UUH, Cliff/N3YYP and Joe/WB3IUT.

### On to Field Day

A special board meeting was held at our Field Day site in Blossom Point on June 19th for a site survey and further planning. Of particular note, we were met there by Charles County Commissioner Charles Kisamore, who spent a considerable amount of time with us.

Our club's very first field day was a great success, very enjoyable and a good teacher as well. Station setup went well with the expected challenges along the way. The weather threw us a few curves but we adapted and overcame the problems. The site that Tom/W3TOM secured for our use was excellent. It provided safety and security, an area away from traffic and noise potentials, and shielding from the elements. However, a few bug bites were enjoyed by all, HI HI. We had veteran field day participants, some who hadn't done a field day for years, and some who were enjoying their very first event of this

type. That very mix of talent lead to us setting up properly and having a lot of fun throughout the event. We are already planning next years field day. We made a lot of contacts in a very short period of time, further demonstrating our ability to communicate during emergency situations.

In the way of thanks for their donation of equipment, time, expertise, food and know how, special recognition is due for Tom/W3TOM, JD/W3SMD, Jim/K3DRJ, Steve/K2OMC, Ron/KD4UUH, Joe/WB3IUT, Cliff/N3YYP, Willie/W1ZX, Van/KB3XC, Walter/WA3VDV, Fred/K8TKC, Vicky/N3OAD, Bill/KE3RE, Debbie/KA3VNF, Art/N3KUQ, John/KW3X, Wes/W3ERU, Mike/KA3GRW and I am sure there were others. Their personal contributions were many and our success depended on them. We just could not have done it without their help. A special thanks to the Fraternal Order of Police for the use of their site.

A very interesting lecture on the Skywarn Spotter Program was given by George Saunders/KR4MU, at our meeting on July 10, 1998. This is a very important part of amateur radio and we are researching our abilities to contribute to that program. We intend to pursue a training class on this topic in Southern Maryland. Hopefully, our neighbors in Calvert, St. Mary's and Prince George's Counties in Maryland, can attend at a central location for everyone. More information will be upcoming on that. Thanks to JD/W3SMD for coordinating that educational offering.

Anyone interested in VE testing schedules can check in on the website for that information. Our Activities Manager, Tom/W3TOM continues to schedule informative speakers for our monthly meetings. All amateurs and potential amateurs are invited to attend and join in on the fellowship. Field day activity and July events submitted by Mike/KA3GRW, Club President.

Until next month, 73

Gary/K3GRG,

Charles County Amateur Radio Club, Inc... PIO





## Columbia Amateur Radio Association

**Club meeting:** 4th Tuesday of the month at 7:30 p.m., at the Bethany United Methodist Church, Bethany Lane, Ellicott City.

**Net:** 147.135 repeater at 8:30 p.m. each Tuesday except for meeting nights.

**Repeaters:** 147.735/147.135 (cross-linked to 222.32/223.92); 147.990/147.390 (autopatch & direct dial 911); 222.32/223.92 (cross-linked to 147.735/147.135); 443.275/448.275, and 444.475/449.475 (autopatch & direct dial 911).

**Other club stations:** HF all mode 2-meter FM 2-meter 1200 baud packet (AX.25) on 145.690.

**Information:** Bob Scarburgh, Pres - KC3EV, (410) 465-2421.

**Mailing:** P.O. Box 911, Columbia, MD 21044

### Field Day

If Field Day is designed to have fun, then CARA met and exceeded the design specifications. Under the co-leadership of Alan (N3AC) and John (W3GJN) CARA set up a 2A operation this year. The antenna farm was up and running by 1830Z, and we operated for 24 hours. Alpha station used an ICOM IC 737 with the 10/15/40 tri-bander atop the 40 foot tower. Working mostly on 10 and 15 meters John (W3GJN) and Dave (N3OYF) logged many CW and voice contacts. For a while the antenna of choice was a 10 meter J-pole specially designed and built by Alan (N3AC). This was originally going to be hung from the weather balloon at about 200 feet, but a funny thing happened on the way to 200.

We launched the balloon at about noon and were ready to set up the operating tent when the wind began to gust. After about five minutes of rather wild diving and soaring, the blimp-shaped balloon tangled in its tethers and nosed into the ground. The three inch tear from the crash could not be fixed, so with balloon and spirits somewhat

deflated, we set to the task of erecting the towers. The 40 foot tower did double duty for Alpha and Bravo stations, being switched from one to the other as conditions, interests, and operators changed. We also put up a slick portable Army 40/80 sloper that we used for some novice work. And late Saturday night Alpha station used an 80 meter dipole for night work. Eighty meters was pretty dead on Saturday night, so most of our work was confined to 10, 15, and 40.

Bravo station ran the club Kenwood 440S and operated on 15 and 40 meters alternating between the tri-bander and the sloper. At about 0100Z the Pacific Northwest opened up, and we began talking to WA and OR. Suddenly, KH boomed in, and Dave (WA3WZX) made contact with Maui. Newcomers and old timers alike enjoyed this brief encounter with the Pacific.

Dan (N3LDC) ran 6 meters with the help of Jon (KF3BO, formerly N3KRR) and Dave (N3OYF), Jon's first harmonic. Using a three element Yagi up 20 feet with the ?armstrong? rotator, Dan was able to work many of the Plains states and reached CO on Saturday night.

The satellite group was active as well. Mike (AI3I) and Ed (KE3MO) set out two Lindenblad antennas built by Pete (K3IN) and using a Yaseu FT 736R, poised for the fly overs. Someone neglected to schedule satellite over flights to coincide with the operating times of Field Day, so only two major contact windows were available. Then the terrestrial forces conspired to defeat us. Ironically, during both satellite windows the generator ran out of gas, and our earth station went down. It taught us a good lesson in how fuel management has to be a part of your satellite operations.

By the time we packed up on Sunday afternoon, we had experienced a range of weather conditions, solved a few less-than-daunting problems, enjoyed a lot of operating time for everyone, and a conducted a safe Field Day. It doesn't get much better than that.



Dick (W9RZ) and Dionne (KA3ZDL) Frank will be establishing a new station in Arizona. Dick has served CARA over the years as hamfest chairman and officer and is currently CARA Treasurer. Dionne has helped coordinate social events through the years. We are sad to see them leave the area, but are glad to know that with increased solar activity, they will be available on several frequencies. Joe Massi ((KB2JG) will serve as interim treasurer until annual elections this fall.

### Tidbits

Our featured speaker for the CARA regular meeting (Tuesday, August 25, 1998) is Scott Rosenfeld (NF3I) speaking on, and demonstrating, QRP (low power) operating and equipment.

CARA will compete in the MD QSO party on August 8/9. Stop by the Clarksville Elementary School, Clarksville, MD, on MD 108 and join the fun.

The CARA Home Page is GOTOBUTTON BM\_1\_ <<http://www.clark..net/pub/jrmassi/caranews.html>> Check us out for the latest ?hot tips? and bookmark us for future reference.

Mark your calendars for the CARA Hamfest, Sunday, October 4, 1998 at the Howard County Fairgrounds.

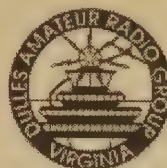
73 de Tim /N3ZXQ

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## Dulles Amateur Radio Group

**On-the-air meeting:** Tuesdays at 8:00pm on the Dulles repeater

**Repeater:** N4FSC, 145.310- (near Dulles airport)

**Mail:** Dulles Amateur Radio Group, P.O. Box 5073, Herndon, VA 22070-1964 Home Page: [www.darg.org](http://www.darg.org).

**Email:** [darg@darg.org](mailto:darg@darg.org).

**Club callsign:** W4DLS

**Information:** Mike Weber, WB8RDN, 703-450-2304.

The Dulles Amateur Radio Group (DARG) is a family-oriented ham radio club affiliated with the N4FSC repeater in Dulles, VA. Membership is open to all, and the club holds several social and operating events each year. Dues are \$20/yr for your entire family; members have access to the repeater's autopatch, and dues include a 1 year subscription or renewal to AutoCall. All area hams are warmly invited to join our information net on Tuesday evenings at 8:00pm on the N4FSC repeater, 145.310-.

On June 21, 1998, the Dulles Amateur Radio Group held its General Membership (All-Hands) meeting at the Eastern Loudoun Regional Library, meeting room C. Thirteen DARG members were present.

The first order of business was the ratification of the Charter of the Dulles Amateur Radio Group. Wording of the Charter was amended in a few places in order to further clarify several areas, and the Charter was then unanimously adopted. The Charter, in its adopted form, appears on the DARG web site: [www.darg.org](http://www.darg.org).

The final few minutes of the meeting were devoted to the nomination and election of DARG's



Board of Trustees who will serve from July 1, 1998 to June 30, 1999. Here are the results of the election:

Chairperson: Mike Weber WB8RDN  
Membership Coord/Treas: Bill Frisbie W3EMH  
FAR Representative: Tom Yost WB8ZRP  
Net Manager: Mike Cutler KD4ITN  
Public Relations: Bob Boughton AB3H  
New Initiatives: Vacant Position  
Technical Systems: Vacant Position

The membership of the Dulles Amateur Radio Group wish to recognize and thank the outgoing DARG Board of Director members:

Bill South N4WJN  
Gary Rinker KD4SRX  
Mike White N4PDY  
Marcia Miller KD4ITP

Bill, Gary, Mike and Marcia have made many contributions to DARG during the November 1996 to June 1998 timeframe and have left DARG in good shape for the new Board of Trustee members. Our profound thanks go out to you all!

Following the meeting, Steve KA1LM gave a fascinating and informative seminar on Amateur Radio Satellites. It would be an understatement to say that his talk was well received.

Our good friend and DARG member "Doc" Farnham N3NAG continues to fight a long-term illness, and is living in a nursing home. He isn't able to have a ham set there, but would love to hear from his friends in the ham fraternity. Please write or call him: Harold Farnham, c/o Manor Care Wheaton, Room # 231, 11901 Georgia Ave., Silver Spring, MD 20982, 301-929-2967.

DARG sends a hearty welcome to our newest members: Earl KF4UUX, Gerald KE4NFJ, Michael KA0SDC, Michael AF4GV, Carolyn N2KTA, Joseph KF4WLC, Terry KD4GSW, John N4UY, Rick WA8VK, Doug KM4GC, Mary Ann N4TOJ and John KF4YLG.

As I write these words, DARG's field day effort is under way at the Park View High School site under the leadership of Bill KS4II. This is a joint effort with our sister club, SPARC. The temperature is 95 degrees, the humidity is 95%, and it looks like it's going to thunderstorm; perfect Field Day weather! Look for a complete wrap-up here in Auto-Call next month.

73 de Mike, N4PDY



## Green Mountain Repeater Association

**Repeaters:** \*146.61 Cheverly, \*146.88 Greenbelt. \*(Autopatch).

**Information:** Don Tinari, W3RYQ, (301) 262-7062.

**Mail:** P.O. Box 523, Bowie, MD. 20718.

**E-mail:** mgreen@erols.com.

**Socials:** Luncheon, 1st Saturday of each month at 11:30 A.M., Laurel Centre Indoor Mall Eatery.

**Nets:** 146.88 - Old Gent's Net, 9:30 A.M. and 6:30 P.M. every day. Washington Adventist Amateur Radio Association Net, every Thursday at 9:30 P.M.

## IT WAS THE BEST OF TIMES!

Saturday morning, June 13th, began with thunderstorms, heavy rain, fog and warm temperatures. The late afternoon ended with much of the same except that the thunderstorms and rain were more severe.... But in-between, my fellow amateurs, in-between, the sun shined, the grills were hot, the food was cooked, the drinks were poured and the conversation(s) flowed.

Some 60 very brave souls ventured to Allen Pond Park, Bowie, MD in what started out to be a very dismal morning that eventually turned into



gold dust. The youngest was 1 and the oldest 92! The rest of us were somewhere in-between, including one four legged canine. I guess what I am trying to say is that GMRA's June picnic was very successful.

Thanks go primarily to: Don, W3RYQ (and his XYL Ethel), for pulling things together and obtaining most of the food and extras; Bruce, N3ZUY, for sponsoring the event, making the arrangements and paying for the facility as a contribution to the Association; Paul, W3HFA for the soft drinks and his cooking expertise; to Roy, N3NGA for preparing and also cooking much of the food; to Joe, KD3VR and Allie, WB3AOA for bringing in accessories and to HD, N3LFL for talk-in support.

Congrats to Prez, Paul, W3HFA, on celebrating his 60th birthday at the picnic. And to my grandson, Paul, son of (my son) Dave, KA3SGA, for catching (and throwing back) two fish from Allen Pond! I believe KZ3Z's (Boyd) grandson also did some fishing.

We were also fortunate to link the Internet up to the 88 repeater and have GMRA members John, N5SJZ and Debby, N5SKA call in from Layton, Utah. We picked up two new members, N3UTH, Ali and WB3JVC, Bill and our oldest member Lou, KQ4EY, sold 6 of his books, entitled "Peace of Mind", contributing over 60% of the sale to GMRA. Thank you Lou.

It was the best of times. See you there next year.

## **UPDATE ON GMRA MANUAL**

The revised and updated edition of the GMRA Manual which will contain all the procedures for the operation of the repeater/controllers, bylaws, etc., is almost complete. We are looking at a mailing date this summer to all members. In the interim, please use the procedures that were contained in the green enclosure to the Spring/Summer 1998 Newsletter mailed to you last month. If you were

not at the picnic and are interested in receiving advanced procedures for using the Voice Mail feature of the new controllers, please let me know by email. I can send it to you only as an attachment to an Email. The Manual will however, contain all of the procedures if you wish to wait for it.

## **MARYLAND RADIO CENTER OUT OF BUSINESS**

Following in the footsteps of EEB, Vienna, Virginia, the Maryland Radio Center, (MRC), Laurel, Maryland is no longer in the Amateur Radio Sales business. Essentially, the local Washington DC area has no full time amateur radio store except HRO in Woodbridge, Virginia. I have heard of a store in Baltimore but do not know it's name and location. Jerry, and the gang at MRC will be missed.

## **SPECIAL ANNOUNCEMENTS ON THE REPEATER**

If any GMRA members desires to place a special announcement on the repeaters that is amateur radio related please contact me via email or 301-773-5730. This will ensure that the announcement is programmed on both repeaters and is played on a predetermined schedule (e.g. 1-2 times per hour, every hour etc.) Using the Voice Mail to make general announcements is not recommended since it will only play when a member checks to determine if there is any mail for them. At this particular time, that is infrequent. Thanks.

## **REPEATER/CONTROLLER FEATURES**

The following recaps current operational GMRA Repeater/Controller features:

- + Autopatch for initiating telephone calls.
- + Autodial for initiating preprogrammed telephone number calls.
- + Voice Mail for message exchanges to/from members.
- + Voice Play-back for testing your audio.



- + Touch-Tone testing for checking your tones.
- + Date and Time instant retrieval upon command.(12 and 24 hour mode.)
- + Internet connection for world-wide contacts thru the repeaters.
- + Special announcements in pure voice or synthesized transmissions.

73 de Murray, K3BEQ



## Historical Electronics Museum Amateur Radio Club

**Meetings:** Second Thursday of each month, 5:30 PM, In the Historical Electronics Museum, West Nursery Road and Elkridge Landing Roads. Linthicum, Maryland (Next to BWI Marriott Hotel).

**Info:** Nick Yokanovich, N3YVW, (410) 544-5736. **Club Station:** W3GR.

**Mail:** P.O. Box 746, Mail Stop 4015, Baltimore, MD 21203.

**Street address:** 1745 W. Nursery Rd., Linthicum, MD 21090.

## The D-Day Memorial Special Event Station

For the second year in a row this was a very successful special event operation of W3GR. The TBL-13 behaved quite well. Overall there were 183 solid SSB/CW QSO's. Many contacts expressed a nostalgic association with D-Day 1944. The excellent Lois and Herman Turner (KA3VVQ & WK3P) certificates are in preparation for those who QSL appropriately. Everyone who participated in this low pressure event had a grand time.

### The June Meeting

The June meeting was largely concerned with recapitulating the D-Day event and last minute planning for the 3rd Annual HEMARC Field Day. Field Day 1998

With the good experience of FD96 and FD97, everyone was dedicated to making the 98 version even bigger and better. The club operated 5 watt stations on storage batteries from the lawn area of the museum. 40/80 meters and the novice station with a Herman special dipole was tented between the torpedo and the air search radar antenna. 10/15/20 and the satellite station was tented beyond the 90 mm AA gun. The new tribander was set up on a portable 30' (Armstrong rotatable) mast provided by Alan Raichel, N3IKI (salvaged from an old TV news truck).

Alan also contributed a set of satellite antennas with an AZ-EL rotor which was set on a surplus tripod. Warren Hartman, W3JDF loaned some good batteries and heavy cables. The sight of the satellite antennas in the museum yard slowed and stopped quite a few cars.

Almost twice as many QSOs as last year were completed (400+) on 80/40/20/15/10 and 2 meters with SSB and CW both well represented. This was in spite of frequent low flying BWI aircraft. Our newest member, Mike Conlon, KB3CPV made his first CW and SSB QSO's-good going Mike. Holly Bevan N3MB and Charles Miller W3WLX saw the antennas going up and visited the site. Lois Turner WA3VVQ and Dean Bush, K3KHG made sure none of the operators wanted for food or beverage. Gary Ryan, W3GMY, Chuck Angle, AA3FB, Les Jameson, WR3X and Don Merkle, N3XOO slaved in the heat to setup and the rain to tear down. Dean Bush, K3KHG provided the high band/satellite tent and operated most of the night. Tony Dal Santo, N3HYR operated high band SSB and manned the satellite station at night.

Herman Turner, WK3P and Nick Yokanovich, N0NY kept the 80/40 operations going with the assistants of several others. Bob Burch, WA2ILU and Don Merkle, N3XOO added assistance to the operations as did all the set up/tear down crews. Members Gene Knapp, W3WVV; Heru Walmsley W3WVV and Sam Bryant KB0RBPB also dropped by the site to lend a hand.



The bottom line was a fine day where everyone had a very good time. Can't wait for FD99!

## Looking Ahead

HEMARC is looking forward to:

- \* Participating in the FARFEST in October. Look for our exhibition table of old but fine gear.
- \* The W2W special event operation for Pearl Harbor Day.
- \* Getting the BC-610 into active operation.
- \* A permanent installation of the Tribander.

73 de Chip W4PBG



### Laurel Amateur Radio Club

A Volunteer Examiner Coordinator

**Meetings:** 4th Wednesday of each month (except November & December) 7:30pm at 384 Main Street, Laurel Md.

**Social:** 2nd Wednesday of each month, except December (Call for directions).

**Nets:** 1st & 3rd & 5th Wednesdays, 8:30pm, on 147.225+, no tone.

**Mail:** P. O. Box 3039, Laurel, MD 20709-0039

**Exams:** 3rd Saturday of each month, to pre-register contact: John/WB3GXW (301) 572-5124 after 6 P.M.

**Information:** Mark/N3NTQ (301) 572-2385 or Roger/W3LM (301) 776-6961.

**Web Site:** <http://www.webtrek.com/~laurel/org/larc>. E-mail: [laurel@webtrek.com](mailto:laurel@webtrek.com)

Club stuff. What do you do with it? Over the years clubs are donated all types of equipment from transceivers to beams to boxes of parts whose use is known only to very few people in the world, none of whom are members of your club. Some stuff you sell at hamfests and some you hang onto, just knowing that it won't be long before you find a use for it. Five years later a new group of club members scratches their collective heads and wonders what somebody was thinking when they stored this box of stuff. Some of you may

remember a routine that George Carlin once did about "stuff". It certainly applies here.

The Laurel club has accumulated items over the years and every few years has to figure out where to move it. Usually it is stored at a member's place of business. But businesses get sold, members move on and the stuff has to find a new home. The club has acquired a pop-up trailer which it will probably refurbish to use as a mobile operating center. The trailer will also be a mobile storage facility for some of our stuff.

When we set up for Field Day, we have tents, a TH-6 beam, tables and so forth, all of which needs to be hauled to the site, set up, and then hauled back to wherever its current home happens to be. Don't get me wrong, because the club needs to have stuff. It can be the glue that holds everyone together. Stuff results in the club members having at least one common interest to rally around. They all become watchful lest they be cajoled into keeping some of the stuff at their house. You try loaning some of the stuff to the members, but in the end they buy something better and here comes the stuff back. Of course, no one can remember who borrowed the one item that was really useful.

I think I have a solution for club stuff. Put the stuff in your dryer and hope that it goes to the place where half of your socks are. Maybe someone in the sock dimension can figure out what to do with it.

73 de Jim/WI3N

<h1>Maryland Radio Center</h1>	
<b>3394 Fort Meade Road Laurel, Md. 20724 (301) 725-1212</b>	<b>OPEN</b> 10AM to 5PM Mon-Fri 10AM to 3PM Saturday
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## The Maryland Apple Dumpling Radio Amateur Society, Inc.

**Meetings:** 2nd and 4th Thursdays - 7:00 P.M.  
St. Paul's Church, 10401 Armory Avenue,  
Kensington, Maryland 20895.

**Clubhouse:** MADRAS Clubhouse, 11800  
Coakley Circle, Rockville, MD 20852

**Nets:** 1st and 3rd Thursdays at 9:00 P.M. on  
145.45 MHz (PL-5A).

**Repeaters:** 444.100/449.100 MHz (PL-2A),  
145.45/144.85 MHz (PL-5A).

**WWW Address:** <http://mvhsl.mbhs.edu/~fwright/MADRAS.html>

**Mailing:** P. O. Box 2468, Wheaton, MD 20902

**Information:** Leo Boberschmidt KA3TGY  
(301)946-3738, Jean Blacik N3PLC (301)  
984-6114.

Field Day '98 has finally come to a close. Cheers and clapping could be heard throughout the Shopping Center as 1800 UTC appeared on all the clocks at the various stations.

We all agreed that this had to be the Field Day from hell. Mother Nature was definitely not on our side this year. The thunder, lightning, and rain disrupted our antenna set-up, so it took us twice as long to finally get all of our antennas and beam together.

On Saturday morning we all enjoyed a delicious breakfast of bagels, cream cheese, coffee cake, orange juice and coffee at the Clubhouse. We then put together our antennas and set up our stations, hoping to jump on the air by starting time.

One station made the deadline and the other stations followed within the next hour or two. Our VHF and Novice stations were the last ones on the air but they too finally went into action.

Of course, Saturday's weather was so hot and

humid that we all moved at a snail's pace in order to conserve energy. I think we all drank enough water, soda and ice tea to float a battleship.

No one was happy to see the rain and lightning hit us around midnight and close us down until Sunday morning. This is the first time in many years that we have had to close all of our stations due to weather.

Sunday morning found us all wrapped in jackets and blankets in order to keep warm as we operated. They weren't kidding when they said a cold front had moved into the area. What a change from Saturday's weather. If we all don't come down with colds or pneumonia I guess we can consider ourselves lucky. Oh well, that's Field Day for you.

Look for a list of our operators and partial statistics on Field Day '98 in the next issue of *Auto Call*.

Notices will be sent out the first week of August announcing the date, time and place for our End of Summer dinner.

Our net will run every Thursday night at 9:00 P.M. during the summer months. Look for us on 145.45. We'd love to hear from you.

73 .... Jean-N3PLC

### Chapter X



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## The Mid-Atlantic DX and Repeater Association

**Meetings:** Rotating locations among Hagerstown MD, Frederick MD, Martinsburg WV and Gaithersburg MD.

**Net:** Thursday evenings at 1930 local on 147.06.

**4 State10M net:** Wednesdays at 2000 local on 28.315.

**Repeaters:** Frederick MD: 147.06, 224.20, 448.125; Martinsburg WV: 147.345.

**Mailing:** 230 North Potomac St., Suite 2A, Hagerstown MD 21740

**Information:** Voice BBS (301) 416-8447 and (301) 473-4151.

**Web Page:** <http://www.qsl.net/madra>

**E-Mail:** [madra@juno.com](mailto:madra@juno.com)

As with all other *AutoCall* columns, this one is a projection of the near future mixed with elements of the recent past. By the time you get to read it, Field Day will have long passed and the aftermath of SwetFest98 will be a lot of groans and heavy breath. Did you turn out for Field Day at Gambrill Park? What did you do to help with SwetFest? If you're comfortable with having watched a lot of TV instead, there's not much that can be done to change your minds. If you were with us, thanks a lot.

Many MADRA members are also supporters of their local Ham Clubs and the Frederick HamFest gave us a chance to show that right out there in public. We're pleased to have been able to assist the FARC with a very successful Fathers' Day event. As this is written, we are also hoping we can report a very successful SwetFest98 but you won't know that for sure until September.

We were also pleased by the public recognition given our fine avocation by Frederick County and the State of Maryland. The Board of Commissioners issued a nice proclamation,

recognizing the many contributions Hams make to public service needs and naming June as Amateur Radio Month in the county. Governor Glendening was also complimentary to us all by proclaiming the last week in June as Amateur Radio Week in Maryland. They probably won't read this but we want to publicly state our heartfelt thanks to the Governor and the Commissioners for their kind recognition of our work.

One of the events we carried out in June to follow up on the County's proclamation was to set up a Ham station at Brunswick's Health, Fun, and Safety Day on the 13th. Attendance was down due to threatening thunderstorms but we took advantage of the lulls in attendance at our booth to put a team to work on installing a tower at the hilltop site granted us by the City. Most frequently asked question at our booth: "Hasn't the InterNet pretty well done away with a need for Ham Radio?" Most frequent answer from the team in our booth: "If you use phone lines to access the InterNet, what do you do for communications when the phones don't work?" Most frequent response to that: "Oh."

As to what's going on in MADRA operations, it's good to be able to report that we've found a way around the technical problems and expect the audio bulletins to resume at 1900 (before net time) on 147.06 on July 2nd and 5th. Thanks to GC, W3GCW, who came up with the software and information to do the trick.

Don't forget to check the MADRA WebSite to pinpoint the next dinner location. Don't forget that we're always happy to make any Hams and non-Hams welcome. We don't make you sit through a long and boring business meeting, either. Good food, good conversation and (occasionally) good demonstrations of what's happening in a new branch of technology when we can put them together.

Also, we're pushing forward to bring MADRA repeater services to several different areas. Thanks to Tim, N3VNG, we have a new site in Rockville which will considerably improve our coverage in



the Metro area on 2M, 220 and 440. Another is in the works for Oakland, Maryland, thanks to Mark, K3EE. Best way to keep track of what we're up to is to join us for the nets and dinners.

73 DE N2CSQ/3



## National Capitol DX Association

**Meetings:** Feb, Apr, Jun, Aug, Oct and Dec. at a member's home. Contact the Secretary (Rick Murphy, K1MU) for details.

**On-the-air:** Every Sunday at 8:30 PM on the 147.000 repeater. All are welcome!

**Information:** Rick Murphy-K1MU (703) 280-2637 or Leo Boberschmidt-W3LEO (301) 946-3738.

Our June meeting was once again held at the home of Frank/W3LPL and Phyllis Donovan in Glenwood, MD. It is always a great pleasure to be able to visit Frank's great antenna farm and see what has been added. This was also the meeting for the Potomac Valley Radio Club [PVRC]. In all, about 150 hams and family members attended on a hot Saturday afternoon. There were also several DX guests there that day, including two VE3's who had driven down again this year for Frank's Open House. It was indeed a great chance to see Frank's station and visit with the all the hams at Frank's that day.

I had the chance to work Yuki, JH1NBN/K3ZB, in the PVRC Reunion on the Air in early June. He asked to be remembered to all the NCDXA members and hopes to work many of us on HF now that propagation is improving. And, with propagation improving, more and more DX operations are showing up on the bands, with 15 meters showing a tremendous improvement over this time last year. The bands are indeed back. Turn on, tune in, and work that DX.

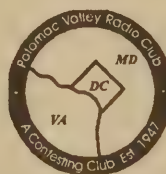
Yours truly plans to be in the Maryland-DC

QSO Party August 8th and 9th, using our club call: NC3DX. If you hear me on, give a call and get one of those special NC3DX QSL cards.

Don't forget: NCDXA Sunday Night Meeting On The Air on the 147.000 repeater at 8:30 PM local time. Keep in touch with NCDXA members and find out what's been happening.

**NEXT MEETING:** The meeting venue for the August NCDXA meeting is as follows: Aug 15 at the QTH of Marty - W3YOZ on the Bay. This is the Annual NCDXA-PVRC Fowlfest. Superb location with plenty of shade, delicious chicken barbeque, witty attendees — what more could you ask for ? Mark your calendars and plan to attend. Full details and directions will be sent to members in early August.

73 - Leo - W3LEO, NCDXA President  
[leob@erols.com]



## Potomac Valley Radio Club

**Packet:** K3MQH 145.63, K3NA 145.63, K4FJ 145.77, KE3Q 145.57 445.375, N3RR 145.51 441.325, N4OHE 145.710 440.925, N4SR 145.63, W3LPL 145.59 441.25, WR3L 145.61 440.95.

**Web:** [www.pvrc.org](http://www.pvrc.org) & [www.pagesz.net/~pvrcnc](http://www.pagesz.net/~pvrcnc).

**Information:** Rich Boyd, KE3Q, (301) 464-8014, [rboyd@capaccess.org](mailto:rboyd@capaccess.org)

This column will provide the casual operator with sufficient information to participate in selected HF and VHF contests scheduled during August. Times are given in EDT though logs should be in UTC (Zulu) time. You do not have to be a member of any club or send in a score to enjoy operating in contests and help others to earn points. For information about contests or PVRC membership, please contact KE3Q or me. PVRC is a non-dues



club.

ARRL UHF Contest. 1st 2pm to 2nd 2pm. 222 MHz to 2.3 GHz. FM stations try 223.50 and 446.0 MHz and ask first contact about the grid square exchange.

North American QSO Party; CW. 10th 2pm to 11th 2am. Suggest 1815, 3535, 7035, 14035, 21035, and 28035 kHz. Work anybody. Exchange is name and State, Province, or Country.

Maryland-DC QSO Party. 8th 2pm-12M and 9th 2pm-8pm. Suggested CW 3643, 3701, 7035, 7126, 14040, 21115, 28040, 28115 kHz and voice 3920, 7230 14268, 21370, 28380, and 50150 kHz. CW especially odd half hours. Exchange QTH (MD co, state, province, or country) and category (Club, mobile, QRP, Novice/Tech, or Standard).

Worked All Europe; CW. 7th 8pm to 9th 8pm. 80-10 meters. Work only Europeans. Exchange RS(T) and QSO serial number. If European sends "QTC?" he wants call, time, and DX station serial number of up to 10 QSOs from your log if they have not already been reported to a prior European. The easy reply to QTC? is QRU (I have no traffic for you).

North American QSO Party; SSB. 15th 2pm to 18th 2am. Suggest 1865, 3850, 7225, 14250, 21300, and 28500 (28450 for Novice/Tech) kHz. Exchange: See CW above.

New Jersey QSO Party. 15th 4pm-3am & 16th 9am-10pm. CW: 1810, 3535, 7035, 7135, 14035, 21100, & 28100. SSB: 1810, 3950, 7235, 14285, 21355, & 28400. Also 6M and 2M.

Hawaii QSO Party; SSB & CW. 29th 12N - 30th 6pm. All except WARC bands.

73, Dick Wilder, K3DI, 410-757-6706,  
wilder@clark.net,  
or via the above packet network.



## Quarter Century Wireless Assn. Chapter #20

Our annual meeting was held on April 25, 1998 at Synder's Willow Grove Restaurant in Linthicum, Maryland. Attendance was off a little this year. We had 26 people.

The speaker this year was Marianne Strong from the Maryland Humanities Council Speaker's Bureau. Marianne Strong, Chair of Literature and Philosophy, Prince George's Community College has published many articles and mystery short stories. Her presentation "Myth as Mirror of Society" discussed how Homer's Greek myth "The Odyssey" portrays how Ulysses (Gr. Odysseus) learned how to use his cunning in foreshadowing the culture of the new Athens, which became the model for modern Society's treatment of crime and other problems. She is now working on her PHD dissertation, "The Globalization of American Detective Fiction".

In addition to the talk Mrs. Strong gave out copies of some of her short stories. They were "The Shooters", "Four A.M. Alarm" and "The Shaft".

Everyone seemed to enjoy her talk and had a lot of questions after the main program.

The program was different from our usual format, but most of the XYL's probably enjoyed this more than too much Ham Radio Talk.-

Chapter 20 signed up one new member this year. He is Arnold Feldman, N3TEL. We are always looking for new members; if you know of anyone eligible, bring them along to the meeting.

Chapter 20 has two luncheon meetings each month. One is the third Thursday at 1:00 PM at Denny's on Padonia Road, and the other is the last Wednesday at 1:00 PM at Denny's on Belair Road



just north of the Beltway.

73, Cam, W3EPR Sec.-Treas.



## Quarter Century Wireless Assn. Chapter #91

**Meetings:** Neighbor's Restaurant, Cedar Lane and Park Street, Vienna, VA; third Saturdays; Noon. Business/Program Meetings: Odd-numbered months. (Come at 11:30 to chat; program begins at noon.) Informal/Ragchew Meetings: Even-numbered months.

**Newsletter:** Bi-monthly to all members.

**Information:** Dick Rucker (KM4ML), Secretary; 10426 Darby St., Fairfax, VA 22030-3603; 703-591-3279. Also on the VHF net.

**VHF FM Net:** Sunday 9 AM, 146.79MHz.

A number of chapter members of the Vic Clark Chapter, No. 91, received awards at the May 18, 1998 meeting. The awards were presented by Jack Kelleher, W4ZC, QCWA President who is also a Vic Clark Chapter member.

Golden Anniversary Certificates and Endorsements:

70 years

Carlton H. Gray, W4ACM

65 years

W. M. "Bill" Getchell, W1HRE

John E. Nagley, K4AHS

Milton Snyder, W4AWL

60 years

Joe E. Herrmann, W4LBL

Irvin Hershowitz, W3HQG

55 Years

Vernon J. Hill, W4DZI

50 years

Lewis L. Bradley, W4SWP

Century Club:

Wayne Cooper, AG4R

Leona C. Hudgins, W4NTA

The program was devoted to Field Day planning. Under discussion was the selection of a suitable site. A number of locations considered have not proved satisfactory. Also discussed were operating schedules. One thing has been tied down - member Lew Bradley has a 4-kilowatt generator and 100 feet of No.12 power cable he will provide to power the operation. Several of those present displayed items recently built or assembled for Field Day, emergency, or QRP operation. Al Wheeler, WB4JJJ, showed off several antenna tuners and related items. Guest Jake Carter, N4UY, displayed his Field Day "kit" comprised of several small rigs and accessories for emergency operation. Wayne Cooper, AG4R, brought a homebrew loop antenna, about a meter in diameter, made from two turns of hardline coax and mounted on a PVC pipe stand. It is tunable for 40 through 10 meters. Wayne also displayed his portable "AG4R 2 Meter Special" antenna, mounted on a yardstick, he uses to check into the chapter's Sunday morning net.

Elmer Jones, K4EUX, brought in three unopened Heathkits, two nine volt power supplies and an audio generator, purchased years ago, for donation to the club. Several persons present commented that unbuilt Heathkits are now collectors items and we should save them until we can determine their true value.

73 de KM4ML, Dick, and W4BHD, Nelson



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## Shenandoah Valley Amateur Radio Club

**Meetings:** First and Third Friday of every month at 7:30 p.m. SVARC Club House 2921 Grace Street, Winchester, Virginia.

**Repeater:** 146.22 In/ 146.82 Out.

**Net:** Shenandoah Valley Emergency Net (SVEN) 7:15 daily on 146.22/146.82 Repeater.

**Mailing:** P.O. Box 139 Winchester, 22604.

**President:** Wayne Koehler, KE4PMS

**Info:** Wayne Koehler, 540-667-8629.

**Internet home page:** <http://www.vvalley.com/svarc>.

Hello again from the SVARC. Our club supported three (3) Public Service Events since our last article. Also, the participants of the annual Field Day Activities had a ball even though the severe storm that hit at about 10:00 PM on Saturday night sure did dampen the activities. There were a few new Hams that were experiencing their first ever Field Day and I observed that they were having a lot of fun making contacts on the HF Bands.

Club members assisted with communications in support of organizers for the following PS Events: Berryville Day, the Old Dominion 100 Mile Horse Race at Fort Valley, and the Loudoun Street Mile in Winchester.

A reminder to club members and the general public that the 48th Annual Winchester Hamfest held at the Clarke County (Berryville) Fairgrounds is just around the corner. That means we must check out chore lists twice, because we want everybody that comes to visit us on SUN, AUG 2nd, 1998, to have a good time.

Hamfest contacts are: Tom Martin KF4TNX at (540)323-0074, Jane Barb KD4IET at (540)955-1745, or e-mail at: [hamfest@Vvalley.com](mailto:hamfest@Vvalley.com).

The hamfest flyer and vendor table forms can

be downloaded from our Web Site at: <http://www.Vvalley.com/svarc/hamfest>.

See you all at Berryville! Until next time...

73, GUY AVEY, W3INT



## Southern Maryland Amateur Radio Club

**Meetings:** 2nd Friday of each month at 1930 ET at the PG County Police, Clinton Station, 6707 Groveton Drive, Clinton, Maryland.

**Nets:** Tuesday at 2000 on 147.15+ Repeater; Wednesday at 2000 on 1.865 (+/-QRM); Thursday at 2000 on 28.447 USB.

**Repeater:** WA3YUV/R 147.15+, Brandywine, Md. PL 114.8, Autopatch to 911.

**Mailing Address:** P.O. Box 273, Cheltenham, Md, 20623

**Information:** Vic (WA3YUV) & Linda (KA3VNI), (301) 888-1388.

**Internet:** <http://www.iscanit.com/smarc>

Hello from the Southern Maryland Amateur Radio Club (SMARC) .. This month SMARC was involved in a lot of outdoor events. On the 27th and 28th of June, we had a very successful Field Day event at Rosaryville State Park. It was a great success, with a large turnout of members and guests.

At our June meeting, we had a Skywarn presentation by George, KR4MU, the coordinator for NWS (National Weather Service) and Skywarn. With help from Jerry, N3IOU, George explained the Skywarn program, and stated that properly trained Amateur Radio operators are the best source of current and accurate weather conditions, such as wind direction and speed, hail size, rain density, etc.

We also had visitors from the Charles County



Amateur Radio Club. We thank all members and non-members for turning out to all of this month's events. Until next month, 73 ...

Kenney, KB3BXT, SMARC PIO



## Sterling Park Amateur Radio Club

**Meetings:** 8:00 P.M. - Third Monday of the month except July and August at Sterling Community Center Annex, Church Rd. (Rt. 625) near Route 28, Sterling, VA.

**Mailing:** Call Box 599, Sterling, VA 20167.

**Information:** Bill Lorentz, KS4II, 703-444-6341 or via email KS4II@AOL.com.

Eighteen members attended a busy June SPARC meeting. Elections were held for 1999 and the new club officers are: Bill Lorentz, KS4II president, Dick Maylott, W2YE vice-president, Forrest Snyder, N4UTY secretary and Ray Mullins, KD4RSL treasurer.

Field Day plans were finalized. We will be operating 2A with an additional Novice/Technician and VHF station. We also hope to put a satellite station on the air. James Chappell, KQ4NR submitted a press release to the local papers detailing what field day is about, along with SPARC and DARG's plans at ParkView High School in Sterling. We will also have a public information table this year with information about field day and amateur radio in general.

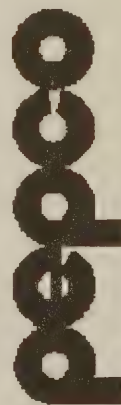
The 1998 Virginia QSO Party awards were formally presented June 7th at the Manassas Hamfest. The 1998 plaque winners and sponsors were: High Single Operator Novice/Technician All Mode awarded to Dennis Boehler, KF4TJ 13,020 Points sponsored by Dulles Amateur Radio Group High Single Operator CW awarded to Tom S. Jones, K4JM 27,774 Points sponsored by Franklin

County Amateur Radio Club High All Mode Single Operator Outside Virginia awarded to Keith A. Pederson, WA3HAE 16,695 Points sponsored by Foundation for Amateur Radio High QRP All Mode Single Operator awarded to John Youell, WA4QDM 15,576 Points sponsored by Dave Williams, K7HMP High Single Operator VHF awarded to Franklin E. Gaver, KE4HOA 890 Points sponsored by Foundation for Amateur Radio High Virginia Club Combined Score awarded to Central Virginia Contest Club 287,818 Points sponsored by Central Virginia Contest Club High Virginia Mobile awarded to Stan Reas, K4UK 20,686 Points sponsored by Foundation for Amateur Radio.

Additionally, over 80 certificates were given out to winners in various categories. Detailed results from the QSO Party may be found on the World Wide Web at [www.monumental.com/lorentz](http://www.monumental.com/lorentz). Many thanks to Ed Lockhart, K4GEL, contest co-chairman for all his hard work scoring and compiling the results. Thanks also to the "Ole Virginia Hams" and their hamfest chairman Jack McDermott, N4YIC for allowing us to make our award presentations at their hamfest in Manassas, VA and to John Kanode, N4MM, ARRL Roanoke Division Director for helping make some of the award presentations.

Hope everyone is having a great summer and do not forget our pizza party in August.

73, Bill, KS4II



Michael C. Martin  
N3RWF

### Interference Investigator

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## The Middle Atlantic FM and Repeater Council, Inc.

**Meetings:** Coordinating Committee (CC) normally meets the last Monday of each month, 19:30, in the OEP conference room of the Prince George's County Emergency Operations Center off Central Avenue. Talk-in on 147.18.

**Address:** P.O. Box 1022, Savage, Md. 20763-1022 for all correspondence.

**Web Page:** [HTTP://WWW.T-MARC.ORG](http://WWW.T-MARC.ORG).

**E-mail:** [TMARC@T-MARC.ORG](mailto:TMARC@T-MARC.ORG)

**Information:** President - Owen Wormser  
K6LEW (703)684-7682 CC Chairman - Bill  
Conaway W8HNT, Pager (703)741-4251.  
Ombudsman - Jim Erickson K3LFO (410)549-  
1041, [K3LFO@APEXGRP.COM](mailto:K3LFO@APEXGRP.COM).

Is your repeater still in operation?

Is it still at the same location?

Has anything else changed?

T-MARC NEEDS to know!

Most of our VHF bands, and the 440 band, are just about saturated. In order to try to accomodate applications for new repeater coordinations, we need to know the status of all repeaters. So, Bill, our frequency coordinator, is in the process of sending status inquiry letters to ALL T-MARC area repeater sponsors.

PLEASE respond to these inquiries! Even if there have been no changes to your repeater for many years, we need to know that it is still there. And if you have made any changes that we should be aware of, please use this opportunity to tell us. The more accurate info we have about your repeater, the better we will be able to help protect its operations.

And this includes any control and/or link frequencies you have coordinated. If you are no longer using your control or link frequencies, please let us know so we can reuse them elsewhere.

Bill is looking for a reply from each sponsor within 45 days. If he doesn't get a reply, he'll send a follow-up letter. Again, if he gets no response, he will begin the process of cancelling the coordination. So PLEASE be sure to respond - it's important! Thanks. If you have E-mail capability, we encourage you reply that way.

And speaking of E-mail, you can also provide us with your E-mail address, if you have one. E-mail really speeds up the communications process compared to "snail mail", so Bill asks you all to send your E-mail address to us at the above address.

KA3WYD is in the process of re-coordinating his 53.69 repeater from its Waldorf, Md., site to a new location near Woodbridge, Va., and his 53.67 machine has been re-coordinated to an improved site near Aldie, Va. Construction coordinations have been issued to AF4CY on 145.41 near Madison, Va., and to KC3VO of the DC Metro ARC on 145.43 in Washington. And N3RKT's new 145.11 machine at Chrisfield, Md., is now in full operation.

On 440, K3SVA has re-coordinated his 442.950 repeater from Trappe to Wye Mills, Md., KD4QNA has a proposed new 442.700 machine near Spotsylvania, Va., and K4HR is in the process of changing the frequencies of his Goldvein, Va., repeater from 444.85 to 444.45.

Finally, K9SP has advised that his 223.94 repeater on Bull Run Mountain is no longer in operation, and he has relinquished its coordination. Thanks, Jim! This will free up a pair for some other new 220 repeater.

73, Gary, W3DTN, T-MARC PIO



Reminder - all submissions for

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the 1st of the month prior to the  
month of publication!!





## Woodbridge Wireless, Inc.

**Meetings:** Second Tuesday of each month at Springwoods and Chaucer, Lake Ridge, VA.  
**Net:** Monday nights at 2000 on 147.24 with 224.78 link.

**Packet:** N4SR 145.63 (DX packet cluster)

**Luncheon:** Every Friday at noon. Check-in on 147.24 for location.

**Repeaters:** WB4FQR 147.24 (+), WB4FQR 224.78 (-), WB4FQR 444.90 (+), N4LJZ 144.99 simplex PL-100 HZ

**Mailing:** PO Box 112, Woodbridge, VA 22194

**Information:** Bob Graham, K4RG, 703/878-0697

**Web Page:** <http://www.pwcweb.com/wwi/>

- has participated in ARRL Field Day for the past 28 years.
- is just a great club to belong to.

Woodbridge Wireless thanks the following members: WD4AIR for donating a first aid kit for the bus; W5FCN for donating a set of general class video training tapes to the education committee; and all who donated equipment for the club's fund raiser at the Manassas hamfest.

WWI Dayton report: The weather was hot, but at least it didn't rain. Woodbridge Wireless was well represented at Dayton even without several of the regulars. In attendance were K5OF, KT4AD, W4DC, WD4AIR, W3GO, KE4TKU, WA0DYJ, KQ4KK, KD4CPX, W0ACQ, K8EI (from Utah), WB4RDV (from Missouri). The flea market was over whelming with over 4000 tailgate spots - lot's of radios and amps this year. Going inside, there were even more commercial vendors than in past years -new antennas, new amps, etc. Since many of the forums were off site at a nearby school, none of us got to attend since there was so much to see at the fest. In the evening, the Friday night DX dinner was excellent, with good food and a short program by the 8Q7AA folks. We also had the 1st annual WWI Dayton dinner Saturday night at an excellent Italian restaurant - lots of good food. Overall, a good year for going to Dayton. Many WWI and Field Day plans were discussed going to and from Dayton, with the Vice President, Secretary, Treasurer, and a Board member present.

FM-CW CODE PRACTICE NET- W5FCN, WWI's very talented assistant Education Coordinator is back and wants those who aspire to upgrade, to tune in on Monday nights on the 147.24 Woodbridge Wireless repeater at 8:30pm for code classes and practice. Here is a brief message to WWI club members, and others in the Washington DC. area:

Code code code, you may hate it, love it, or have a neutral stand; however, the fact remains it is a part of advancing to General and above. Time to stop discussing the issue and get practicing. I

## FIELD DAY - A HUGH SUCCESS

Any way you cut it, it was a hugh success despite the weather, and the last minute adjustment of the phone site. Over 6,000 QSOs were made (a new club record) with over 60 participants (almost double last year's attendance). The food was great, new hams participated, many hams were trained, and all the club objectives were met - Score Well, No casualties, and Have FUN.

Welcome Rick Michaels, KU3M, who was voted in during the June meeting. He was also a participant at Field Day.

Did you know that Woodbridge Wireless:

- has an E-mail reflector
- has a home page on the web
- holds three national Field Day records (10A, 11A, and 12A)
- maintains four repeaters and two autopatches
- has a noon time luncheon every Friday
- is an ARRL affiliated club
- is a ARRL Special Services Club
- has a Monday night net that starts at 8pm year round.



taught code for the military. The motivational levels of these soldiers were quite varied, and that has helped me develop techniques to keep unmotivated students entertained and motivated students advancing without undue delay. Here is my initial plan to get started.

Most if not all Techs have 2 Mtr H-T's, so here's a way to get on. The point of the net is to learn and practice code. You don't any CW device to participate. Just listen to the lessons and practice copying the code. I will assume that many hams and hams-to-be will monitor with amateur rigs or even scanners! So come join the fun! We will start on Mondays, right after the regular Monday Net. I will adapt the program to meet the needs of the net members. QSL cards will be issued to SWLers who monitor the net and send a signal report and one minute of 'solid copy' (this is for the hams-to-be crowd). This is as complex as we will get until I get a feel for its success and acceptance. Wish us luck!

73 de Jim W5FCN,  
(Major James D. Bass, Ph.D., US Army)

**DX DX, Continued from page 16**

## UPCOMING DX CONTESTS

YO DX Contest August 2, 1998  
WAE CW Contest August 8-9, 1998  
SARTG WW RTTY Contest August 15-16, 1998  
W/VE Island Contest August 15-16, 1998  
SEANET 98 Phone Contest August 15-16, 1998

The recent operation from the Australs and Marquesas Islands by John, K8YSE and Bill, W8JGU went very well. They used the callsigns of FO0PAP and FO0MAC. They were on most bands and easy to work. These islands will be added to the DXCC list soon.



Reminder - all submissions for

**AUTO CALL**

are due no later than  
the 1st of the month prior to the  
month of publication!!

# MARS REPORT

By Vinny Del Giudice WB2KQG/AFA2MI  
Virginia USAF MARS public affairs officer

Army, Air Force and Navy-Navy Marine Corps MARS affiliates participated in a worldwide field day and propagation test June 27 and June 28 — a program that the joint MARS chiefs plan to make an annual event. MARS affiliates operated on a variety of military frequencies — in sideband and digital modes — to test their readiness under emergency conditions.

In the Baltimore-Washington area, the Navy-Marine Corps frequency of 7381.0 MHZ USB was especially active during the test. Frequencies in the 4 MHZ band, on the other hand, were prone to poor propagation during the exercise.

Affiliates operated from ARRL Field Day sites, their home stations and mobiles during the MARS test and exchanged the following information: call sign, location, signal report and whether commercial or emergency power was being used. Contacts were limited to three minutes and conducted in the "free net" form without net control stations managing traffic flows.

A special HF digital greeting was available via PACTOR from Air Force MARS stations AFA3HY in Shawnee, Kansas, Army MARS station AA0USA at Fort Lewis, Washington, and Navy-Marine Corps MARS station NAV in Washington, D.C.



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Estate sales for Widows assistance handled by a FAR club will be published without cost.

Your full name and address must be provided with each ad but need not be published. No ads will be accepted over

the telephone and all ads must be prepaid. Ads that will be running for longer than 1 month must be accompanied by a letter stating the length that the ad is to be run. Since no effort is made to investigate advertisers, no warranty can be implied. Copy MUST be received by the 1st day of the month prior to the month of publication. Send all commercial and non-commercial advertising and Shack Sales to:

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755 Woodland Way, Owings, MD 20736  
(301) 855-0198

**FOR SALE:** Alpha Delta "sloper" DX-A 160 80 & 40 meter dipole brand new in box. (bought wrong one, can't return). \$40 I ship. WA3MNS Phil (301) 645-1121. [08/98]

**WANTED:** Yaesu FEX-767-2 & FEX-767-6 modules for the FT-767GX xcvr. WA3MNS Phil (301) 645-1121. [08/98]

**FOR SALE:** Heathkit SB-200 Linear Amp, 1200 Watts PEP, 1000 Watts CW. Very clean, \$375. Heathkit SB614 Station Monitor, Very very clean, \$95. Tono (Drake 9000E Communications Terminal, excellent condition \$100. Info-Tech Amtor Converter, nice, \$45. AEA Isopole 2 meter antenna, new, never used. \$45. All equipment comes with a manual. Contact Bernie Cohen, W3CAO, Thurmont, MD, 301-2712714, 13-73 repeater or online at "BernW3CAO@AOL.com. [09/98]

**WANTED:** High capacity solar panels 12V for repeater use in Dominica. David Larsen (540) 763-3311 or KK4WW@fairs.org. [01/99].

**WANTED:** (Tube Type) Hi-Fi Equipments, LP records, Call: 703-680-5902, Fax: 703-730-9841. [09/98]

**WANTED:** Early pre-1980 microcomputers for museum collection. Also early microcomputer sales literature and magazines. KK4WW (540) 763-3311 or (540) 382-2935. [10/98]

**ESTATE SALE:** Amateur Radio and associated equipment from the estate of Frank Clarke (N3DRY). The following is a list of items available with suggested values. If you are interested, Call daytime Mon., Tues., Wed.; Jane Clarke at 202-404-1296, Evenings 301-449-7383.

Multiband HF vertical.	\$20.00
Cushcraft ARX-2 Ringo Ranger II 2 mtr.	\$600.00
Yaesu FT 757 GX HF transceiver.	Included
Yaesu FC 757 AT antenna tuner.	\$75.00
Yaesu FP 757 power supply.	\$25.00
Md-1 microphone.	\$150.00
Kenwood TR2500 2M HH with ST-2 base.	\$25.00
EEB signal generator Mod SG 4160B.	\$25.00
MFJ 1270 TNC for packet radio.	\$70.00



Heathkit HD16 code oscillator.	\$20.00
Heathkit Mod. SA-5010 keyer	\$25.00
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[SWP]

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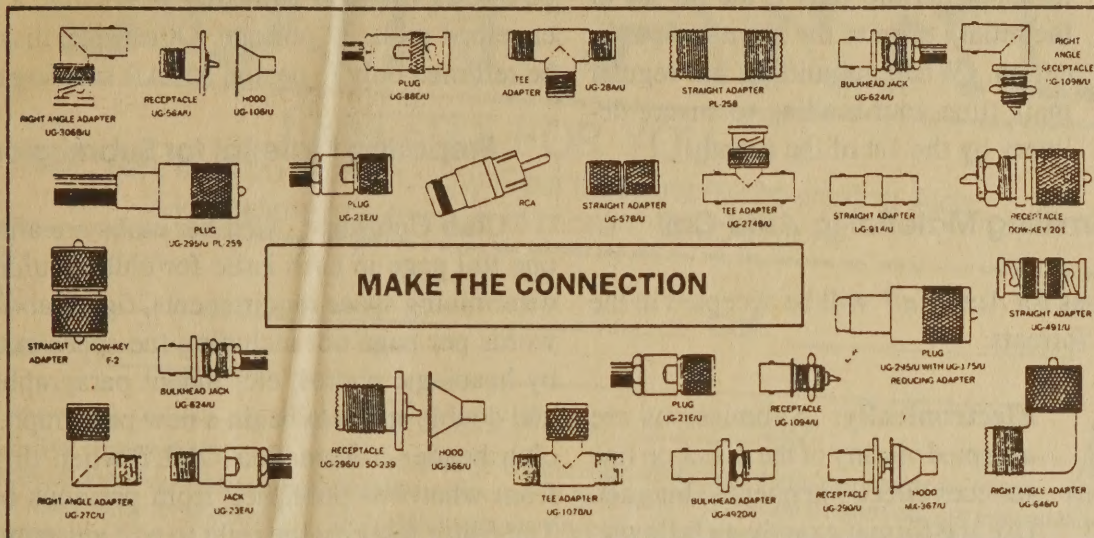
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**Deadline:** The deadline for ALL submissions to *Auto Call* is the 1st day of the month prior to the month of publication. When submitting via regular mail, time your mailing to ensure delivery by the 1st of the month.

## Submitting Material to *Auto Call*

Submissions for *Auto Call* will be accepted in the following formats:



**Electronically:** Submissions are accepted via any of the major on line services directly or over the Internet. Use the format exactly as follows:

**Internet** - JohnQueen@AOL.com

**America On Line** - JohnQueen

**AppleLink** - johnqueen@aol.com@internet#

**BitNet** - johnqueen@aol.com@cunyvm

**CompuServe** - INTERNET:johnqueen@aol.com

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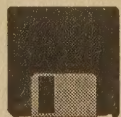
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**MCI Mail** - mbx: johnqueen@aol.com

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**Regular Mail:** Mail typewritten or computer generated hard copy to: John Queen, Editor, *Auto Call* Magazine, 755 Woodland Way, Owings, MD 20736. Ensure that your printed material is dark enough for scanning.



**Computer Disk:** Submissions are accepted on 3.5" or 5.25" computer disk, in either Macintosh or MS-DOS format, using Word, WordPerfect, or standard ASCII text files. Write your name, telephone number, and club name on the disk. Submit graphic files (club logos, etc) in an EPS or TIFF format. Please verify the readability of your com-

puter files before sending. If you want your computer disk returned immediately, include a SASE envelope with .32 postage. Otherwise, disks will be returned only in person at FAR meetings.

## Preparing Material for Submission

**Club Columns:** Member clubs are allocated one full page in each issue for club columns. In determining space requirements, figure about 700 words per page not including the space taken up by headings, photos, etc. Indent paragraphs .25" and double space to begin a new paragraph. Send club header information **ONLY** when different from what was published from previous month. The editor reserves the right to edit any submitted material for space, content and/or applicability.

**Hamfests/Events:** Member clubs are allocated one full page per year to promote one club sponsored hamfest, convention, or special event. Submit clean black & white camera ready copy only by mail. Master copy should be in black ink on white paper and should be in proper page ratio, (Copy space is 7" wide by 9" high). Copy can be reduced or enlarged as necessary. Electronic submissions of Hamfest ads will not be accepted.

**Photographs:** The editor will select the best photograph submitted for the cover each month. Photographs should depict club members, club stations, or amateur radio related events that are current and noteworthy. Clubs may also submit photographs for inclusion with their club column. Photographs will be used in columns when space permits. Either B&W or color photos can be used. For each photograph submitted, write your name, phone number, and club name, along with a description of the photograph on a piece of paper, and tape it on the back of the photograph. Do not write on the back of your photo. If you want your photos returned immediately, include a SASE envelope with sufficient postage. Otherwise, photos will be returned only in person at FAR meetings.





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Potomac Division Director  
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Phone: (540) 837-1340



# Area Club Meetings - AUGUST 1998

<i>Sunday</i>	<i>Monday</i>	<i>Tuesday</i>	<i>Wednesday</i>	<i>Thursday</i>	<i>Friday</i>	<i>Saturday</i>
						<b>1</b> Green Mtn.
<b>2</b> Kent Island	<b>3</b> DOSARC	<b>4</b> Antietam PGWA	<b>5</b> BARC Montgomery	<b>6</b> Anne Arundel	<b>7</b> Mobileers Charles Co. Shenandoah	<b>8</b> North Point
<b>9</b> Metro Comm	<b>10</b> Carroll Co.	<b>11</b> Leisure Frederick Woodbridge	<b>12</b> VOA FAR - MD Exp Post	<b>13</b> AMRAD MADRAS Mid-Atlantic Mt. Vernon HEMARC	<b>14</b> Vienna So. Maryland Alexandria	<b>15</b> Capital City QCWA 91
<b>16</b>	<b>17</b> OVHA	<b>18</b> Antietam Arlington	<b>19</b> BARC Montgomery Goddard	<b>20</b> Anne Arundel	<b>21</b> Shenandoah	<b>22</b>
<b>23/30</b> Adventist (30TH)	<b>24/31</b> Green Mtn. T-MARC Calvert (24TH)	<b>25</b> Columbia	<b>26</b> Exp Post Moose Laurel Carroll Co.	<b>27</b> MADRAS St. Mary's	<b>28</b> Central MD Vienna	<b>29</b>